website:http://biz.LGservice.com
e-mail:http://www.LGEservice.com/techsup.html

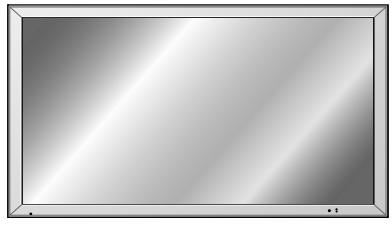
PLASMA MONITOR/TUNER
SERVICE MANUAL

CHASSIS : RF-03FB

MODEL : RT/MT-50PZ44/H/B/R/S
RT/MT/MZ-50PZ46/H/B/R/S
RT/MT-50PZ45V/45M/B/R/S
RT/MT/MZ-50PZ47M/47V/B/R/S
RT/RZ-BA50

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**. Do not lift the Picture tube by it's Neck.

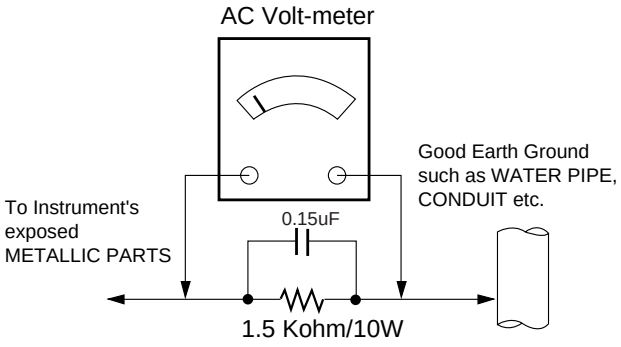
Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

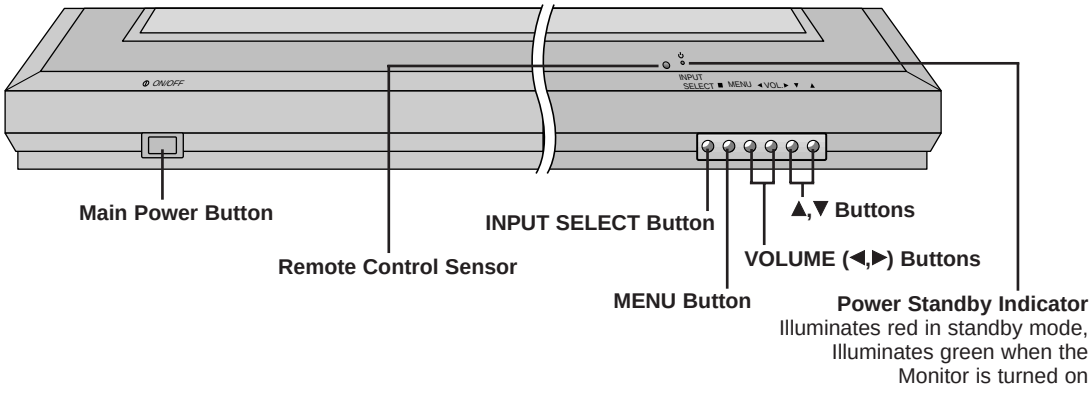
Plug the AC cord directly into the AC outlet.
Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit

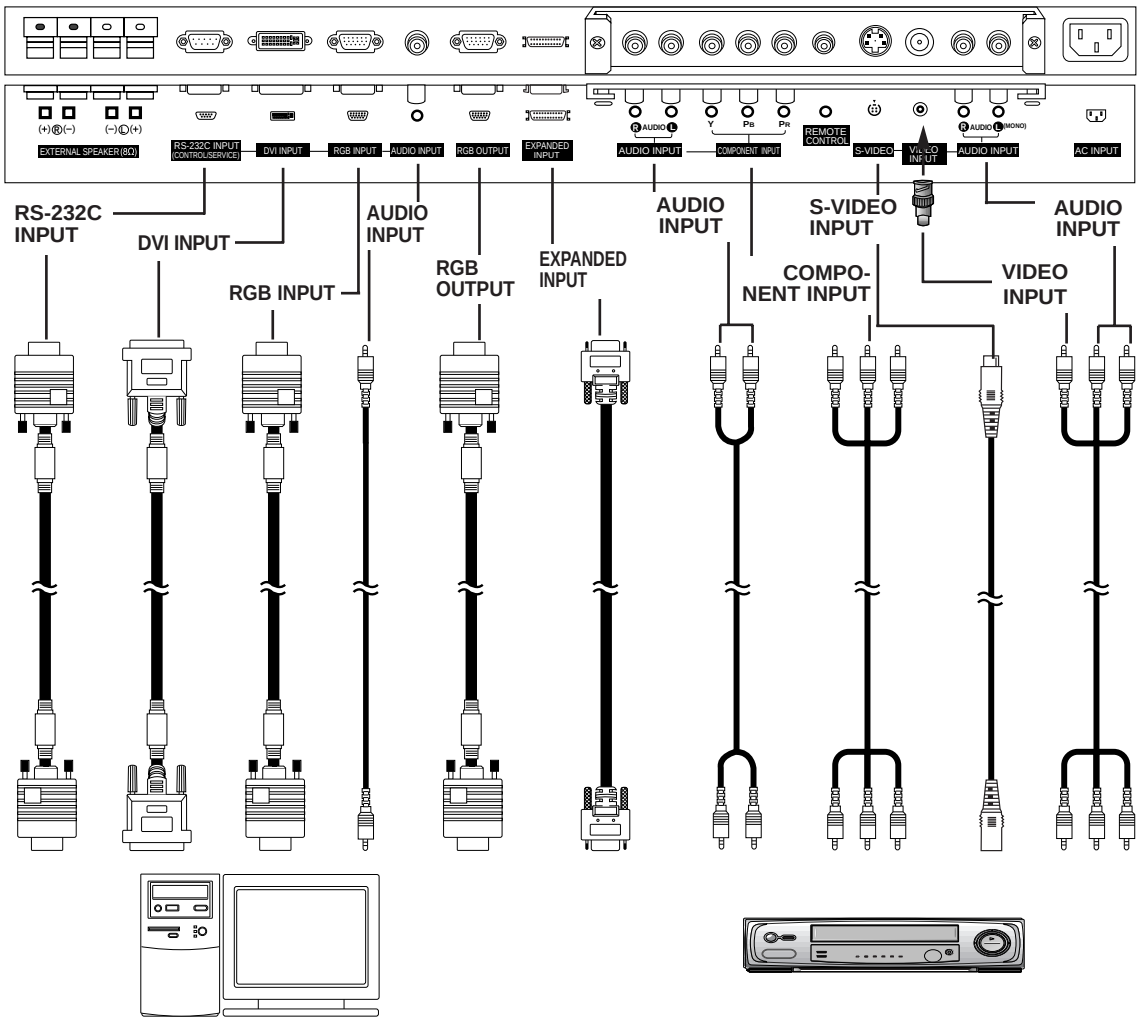


DESCRIPTION OF CONTROLS

<Front Panel Controls>



<Back Panel>

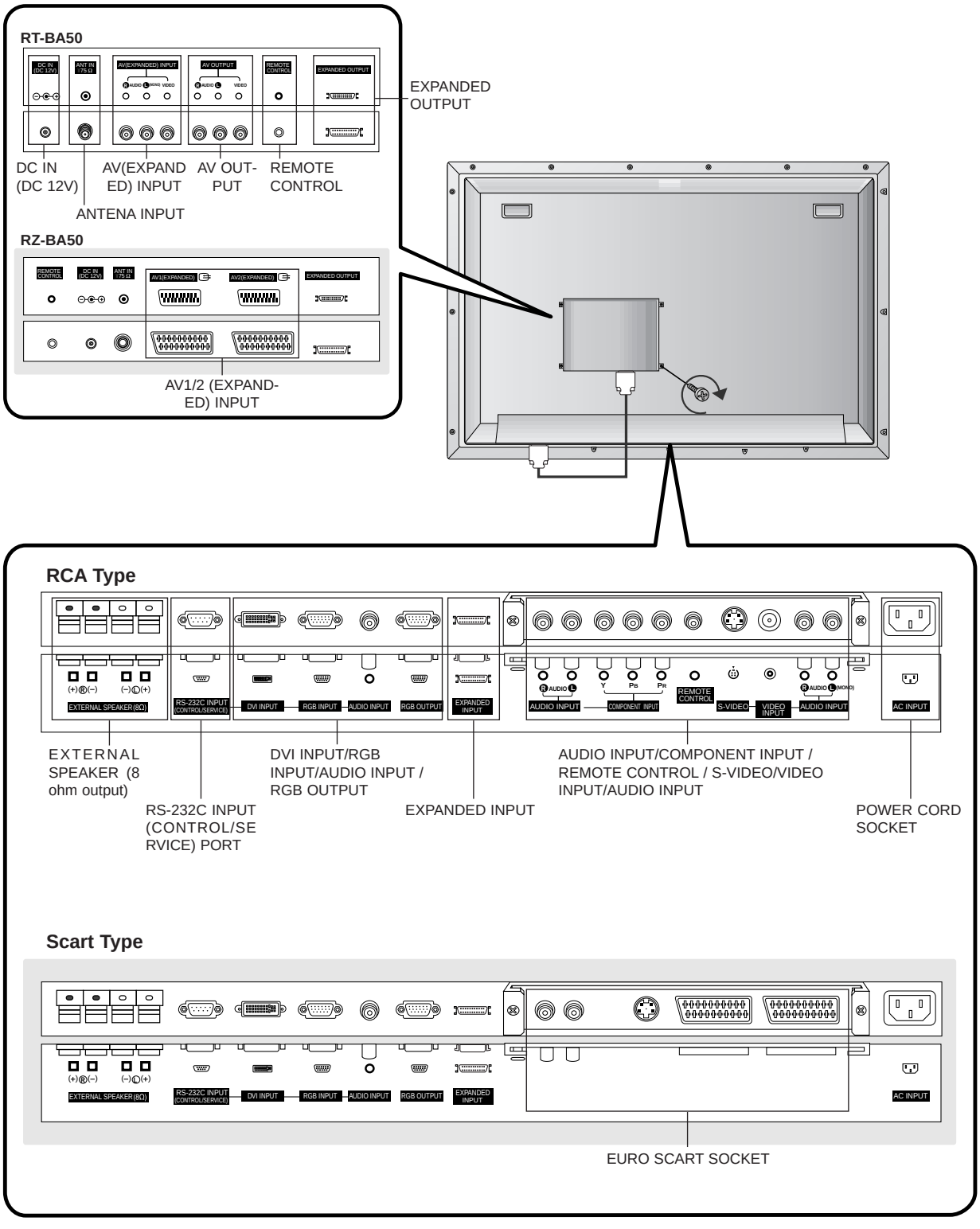


Connection to PC

Connection to AV equipment

***Note**: The connection cables shown above to the right are not included with the Monitor.*
A D-sub 15-pin cable and a DVI cable are provided to connect the Monitor to a PC.

<Back Panel>


RT-BA50
EXPANDED OUTPUT
DC IN (DC 12V)
ANTENA INPUT
AV(EXPANDED) INPUT
AV OUT-PUT
REMOTE CONTROL
RZ-BA50
AV1/2 (EXPANDED) INPUT
RCA Type
EXTERNAL SPEAKER (8 ohm output)
RS-232C INPUT (CONTROL/SERVICE) PORT
DVI INPUT/RGB INPUT/AUDIO INPUT / RGB OUTPUT
EXPANDED INPUT
AUDIO INPUT/COMPONENT INPUT / REMOTE CONTROL / S-VIDEO/VIDEO INPUT/AUDIO INPUT
POWER CORD SOCKET
Scart Type
EURO SCART SOCKET

- This function works only when the PDP Tuner is installed on the LG plasma display monitor.

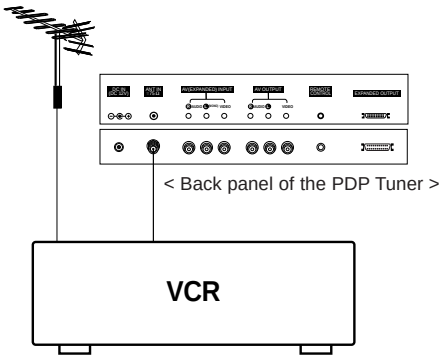
Installing PDP Tuner on the Monitor

1. Turn the monitor off and disconnect the mains plug.
2. Carefully place the Monitor screen side down on a cushioned surface that will protect the monitor screen from damage.
3. Mount the PDP Tuner gently into the correct position. Make sure it is inserted correctly.
4. Tighten the screws.
5. Connent the EXPANDED OUTPUT socket the on the PDP Tuner to the EXPANDED INPUT socket on the Monitor.
6. Turn the monitor on.

Antenna Connection

- Connect the Plasma Display with various external equipments after connecting the Monitor with the PDP Tuner and the Speakers.

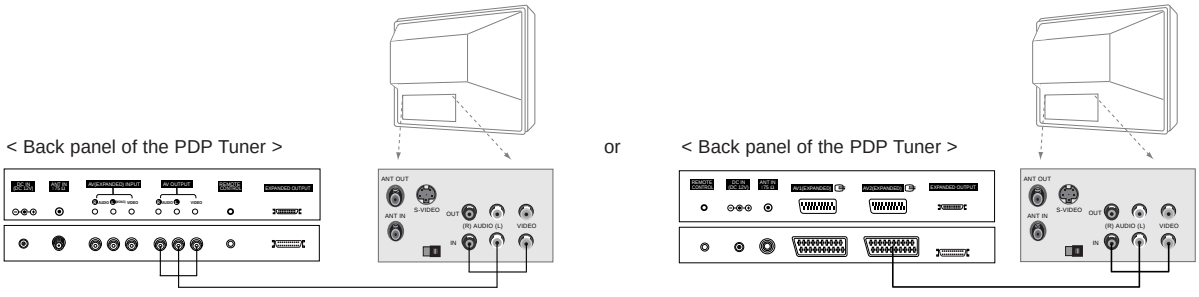
1. Connect the RF out socket of the VCR to the aerial socket on the back of the monitor.
2. Connect the aerial cable to the RF aerial in socket of the VCR.
3. Store the VCR channel on the programme number 0 using the 'Manual programme tuning' section.
4. Select the programme number where the VCR channel is stored.
5. Press the **PLAY** button on the VCR.



Monitor Out Setup

The PDP Tuner has a special signal output capability which allows you to hook up a second TV or monitor.

Just connect the second TV or monitor to the AV OUTPUT socket on the PDP Tuner. See the Operating Manual of the second TV or monitor for further details regarding that device's input settings.



RZ-BA50				RT-BA50			
	Input Mode		Monitor OUT (AV2(EXP.))		Input Mode		Monitor OUT (AV(EXP.))
Normal	TV, AV, AV1(EXP.) or S-Video		Main Picture	Normal	TV, AV(EXP.), AV or S-Video		Main Picture
PIP/DW	Main Picture	RGB, DVI or Component	Sub Picture	PIP/DW	Main Picture	RGB, DVI or Component	Sub Picture
	Sub Picture	TV or AV1(EXP.)			Sub Picture	TV, AV(EXP.)	
	Main Picture	TV, AV, AV1(EXP.) or S-Video	Main Picture		Main Picture	TV, AV(EXP.), AV or S-Video	Main Picture

Watching VCR

- When connecting the Monitor to external equipment, match the colours of connecting ports (Video - yellow, Audio (L) - white, Audio (R) -red).
- Connect the VIDEO INPUT socket (yellow) with the BNC-RCA adaptor to the VIDEO INPUT on the Monitor.
- If you have a mono VCR, connect the audio cable from the VCR to the AUDIO (L/MONO) input on the Monitor.
- If you connect an S-VIDEO VCR to the S-VIDEO input, the picture quality is improved; compared to connecting a regular VCR to the Video input.
  Or, connect the Euro scart socket of the VCR to the Euro scart socket of the monitor.
- Use the orbiter function to Avoid having a fixed image remain on the screen for a long period of time. Typically a frozen still picture from a VCR.
  If a 4:3 picture format is used; the fixed image may remain visible on the screen.
- To avoid picture noise (interference), leave an adequate distance between the VCR and Monitor.

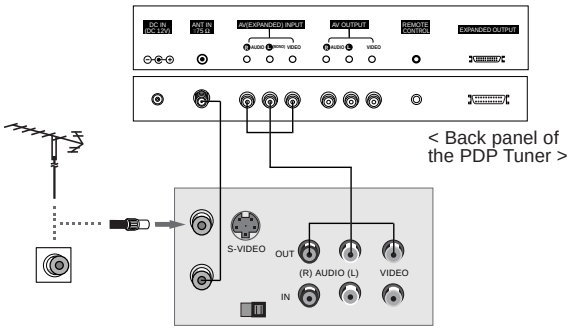
Watching TV programmes

- Turn the Plasma Display on and select the programme you want.

Watching VCR

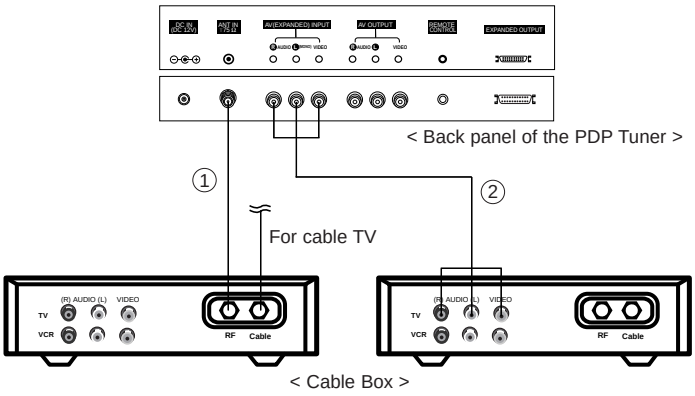
1. Use the **INPUT SELECT** button on the remote control to select ***AV*** (***AV1*** or ***AV2***) or ***AV(EXP.)*** (***AV1(EXP.)*** or ***AV2(EXP.)***).
- If both S-VIDEO and VIDEO sockets have been connected to the S-VHS VCR simultaneously, only the S-VIDEO can be received.
- If connected to S-VIDEO, select the ***S-Video*** external input source.

2. Insert a video tape into the VCR and press the **PLAY** button on the VCR. (See VCR owner's manual)



Watching Cable TV

- After subscribing for a local cable TV station and installing a converter you can watch cable TV.
- For further information of cable TV, contact the local cable TV station.



In using connection 1

1. Select programme number in programme switch of cable box.
2. Match the Plasma Display programme with selected programme of cable box.
3. Select your desired programme with the remote control for cable box.

In using connection 2

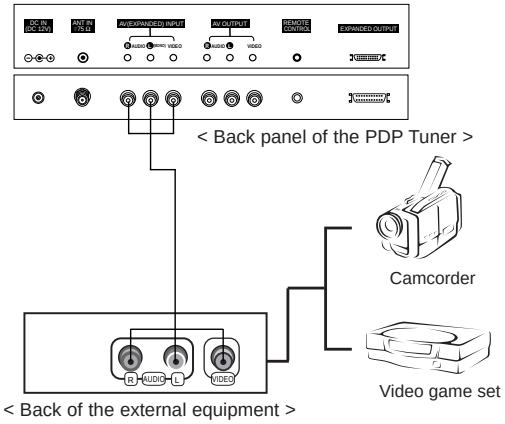
1. Use the **INPUT SELECT** button on the remote control and select ***AV*** (***AV1*** or ***AV2***) or ***AV(EXP.)*** (***AV1(EXP.)*** or ***AV2(EXP.)***).
2. Tune to cable service provided channels using the cable box.

Watching external AV source

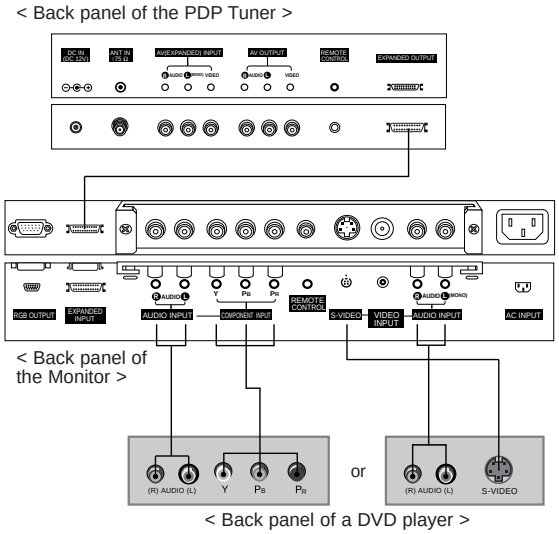
- When connecting the monitor to an external source, match the colours of AUDIO/VIDEO input jacks on the monitor with the output jacks on the audio/video equipment: Video = yellow, Audio (Left) = white, Audio (Right) = red.
  Or, connect the Euro scart socket of the VCR to the Euro scart socket of the monitor.

How to use

1. Use the **INPUT SELECT** button on the remote control to select ***AV*** (***AV1*** or ***AV2***) or ***AV(EXP.)*** (***AV1(EXP.)*** or ***AV2(EXP.)***).
2. Operate the corresponding external equipment. See external equipment operating guide.



Watching DVD



How to connect

Connect DVD video inputs to Y, P_B, P_R of COMPONENT INPUT and audio inputs to Audio sockets of AUDIO INPUT.
Or, connect the Euro scart socket of the VCR to the Euro scart socket of the set.

How to use

1. Turn on the DVD player, and insert a DVD.
2. Use **INPUT SELECT** button on the remote control to select ***Component*** or (***AV1*** or ***AV2***) or (***AV1(EXP.)*** or ***AV2(EXP.)***). Refer to the DVD player's manual for operating instructions.

- **Component Input ports**
  You can get better picture quality if you connect DVD player with component input ports as below.

Component ports of the Monitor	Y	P_B	P_R
Video output ports of DVD player	Y	Pb	Pr
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	P_B	P_R

Watching DTV (option)

- To watch digitally broadcast programs, purchase and connect a digital set-top box.

How to connect

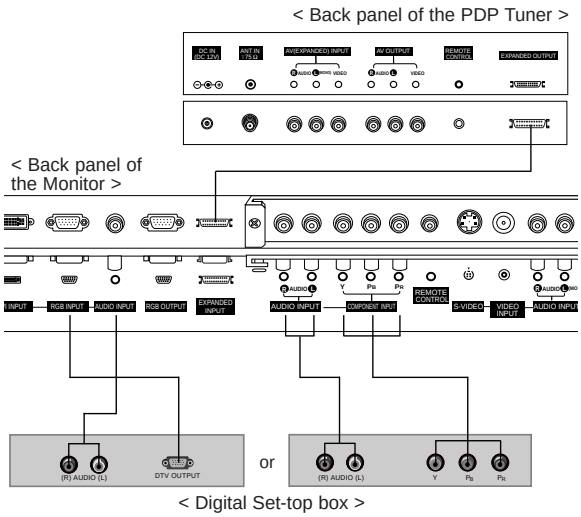
1. Use the monitor's COMPONENT (Y, P_B, P_R) INPUT, RGB or DVI jack for video connections, depending on your set-top box connector. Then, make the corresponding audio connections.

How to use

1. Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)
2. Use **INPUT SELECT** on the remote control to select ***Component***, ***RGB*** or ***DVI***.

- **DTV Input signal**

Mode \ Terminal	Component	RGB (DTV)
576p(50Hz)	o	o
1080i(50Hz)	o	o
1152i(50Hz)	o	o



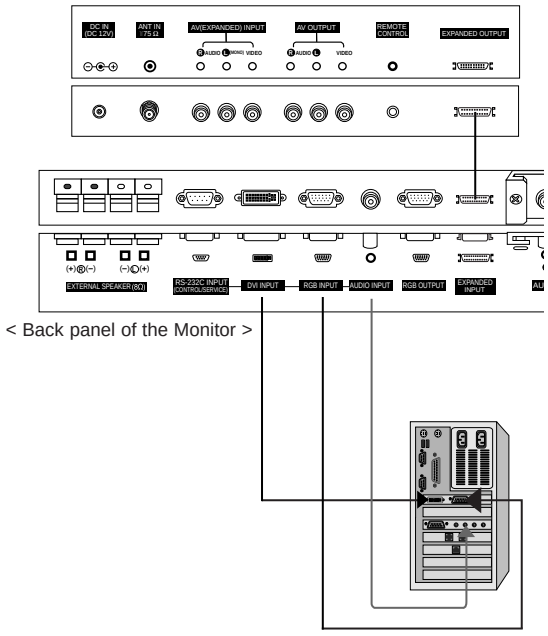
Connecting PC

- To enjoy vivid picture and sound, connect a PC to the Monitor.
- Avoid keeping a fixed image on the monitor's screen for a long period of time. The fixed image may become permanently imprinted on the screen; use a screen saver when possible.
- Connect PC to the RGB INPUT(PC INPUT) or DVI INPUT(DIGITAL RGB INPUT) port of the Monitor; change the resolution output of PC accordingly.
- There might be a noise according to some resolution, vertical pattern, contrast or brightness in PC mode. Then change the PC mode into other resolution or change the refresh rate into other rate or adjust the brightness and contrast on the menu until the picture is clean. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult it to the manufacturer of the PC graphic card.
- The synchronization input form for Horizontal and Vertical frequencies is separate.

Setup Instructions to Connect a PC to your Monitor

- We recommend using 640x480, 60Hz for the PC mode, they provide the best picture quality.
  In RT/RZ-50PZ44/45/46/47/90/91/92/93 series, we recommend using 1024x768, 60Hz for the PC mode, they provide the best picture quality.
- If the resolution of PC is over UXGA, there will be no picture on the Monitor.
- Connect the signal cable from the monitor output port of the PC to the RGB INPUT(PC INPUT) port of the Monitor or the signal cable from the DVI output port of the PC to the DVI INPUT(DIGITAL RGB INPUT) port on the Monitor.
- Connect the audio cable from the PC to the Audio input on the Monitor. (Audio cables are not included with the Monitor).
- If using a sound card, adjust PC sound as required.
- This monitor apply a VESA Plug and Play Solution. The monitor provides EDID data to the PC system with a DDC protocol. The PC adjusts automatically to use this monitor.
- DDC protocol is preset for RGB (Analog RGB), DVI (DVI, Digital RGB) mode.
- If required, adjust the monitor settings for Plug and Play functionally.
- If graphic card on the PC does not output analog and digital RGB simultaneously, connect only one of both RGB INPUT (PC INPUT) or DVI INPUT (DIGITAL RGB INPUT) to display the PC on the monitor.
  If graphic card on the PC does output analog and digital RGB simultaneously, set the monitor to either RGB or DVI; (the other mode is set to Plug and Play automatically by the monitor.)
- DOS mode may not work depending on video card if using a DVI-I cable.
- To see a normal picture, match the VGA mode and DVI signal (640x480, 848x480, 852x480, 1360x768 or 1366x768).

< Back panel of the PDP Tuner >

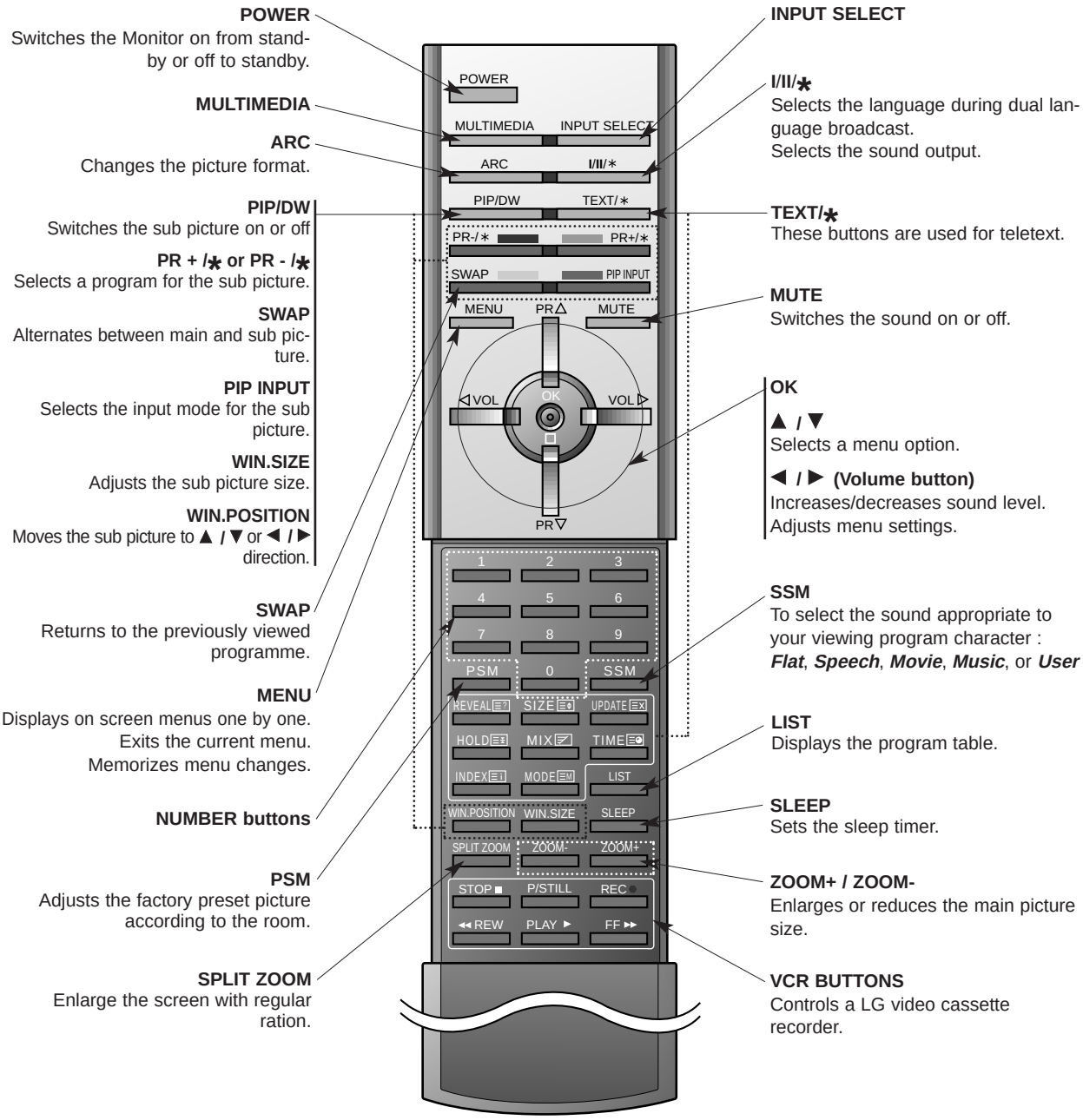


< Back panel of the Monitor >

PC Setup

1. Turn on the PC and apply power to the Monitor.
2. Turn on the display by pressing the **POWER** button on the Monitor's remote control.
3. Use the **INPUT SELECT** button on the remote control to select the ***RGB*** or ***DVI*** input source.
4. Set the resolution output of the PC to SXGA or under (1280 x 1024, 60Hz).

- When using the remote control aim it at the remote control sensor of the Monitor.
- There's maybe a defect in consecutive operation of remote control in specified brightness according to this monitor feature.



POWER
Switches the Monitor on from stand-by or off to standby.

MULTIMEDIA

ARC
Changes the picture format.

PIP/DW
Switches the sub picture on or off

PR + /✱ or PR - /✱
Selects a program for the sub picture.

SWAP
Alternates between main and sub picture.

PIP INPUT
Selects the input mode for the sub picture.

WIN.SIZE
Adjusts the sub picture size.

WIN.POSITION
Moves the sub picture to ▲ / ▼ or ◄ / ► direction.

SWAP
Returns to the previously viewed programme.

MENU
Displays on screen menus one by one.
Exits the current menu.
Memorizes menu changes.

NUMBER buttons

PSM
Adjusts the factory preset picture according to the room.

SPLIT ZOOM
Enlarge the screen with regular ration.

INPUT SELECT

I/II/✱
Selects the language during dual language broadcast.
Selects the sound output.

TEXT/✱
These buttons are used for teletext.

MUTE
Switches the sound on or off.

OK

▲ / ▼
Selects a menu option.

◄ / ► (Volume button)
Increases/decreases sound level.
Adjusts menu settings.

SSM
To select the sound appropriate to your viewing program character :
Flat, ***Speech***, ***Movie***, ***Music***, or ***User***

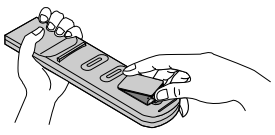
LIST
Displays the program table.

SLEEP
Sets the sleep timer.

ZOOM+ / ZOOM-
Enlarges or reduces the main picture size.

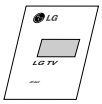
VCR BUTTONS
Controls a LG video cassette recorder.

Installing Batteries

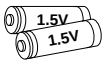


- Open the battery compartment cover on the back side and insert the batteries with correct polarity.
- Install two 1.5V alkaline batteries of AAA type. Don't mix used batteries with new batteries.

Accessories



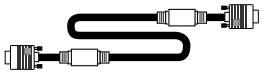
Owner's Manual



Alkaline batteries

BNC-RCA adaptor (optional)

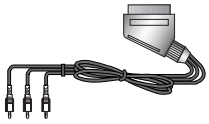
Remote Control handset



D-sub 15 pin cable

Power Cord

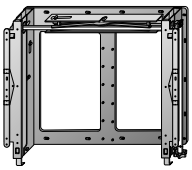
DVI-D Cable



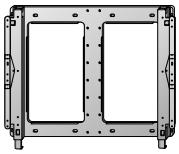
Phone scart cable (Optional)

Optional Extras

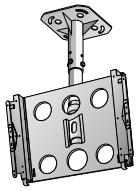
- Optional extras can be changed or modified for quality improvement without any notification new optional extras can be added.
- Contract your dealer for buying these items.



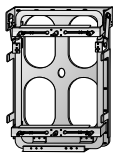
Tilt wall mounting bracket



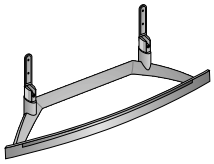
Wall mounting bracket

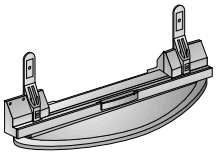


Ceiling mounting bracket

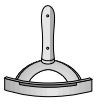


Vertical Wall mounting bracket



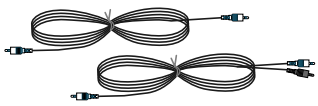


Desktop stand

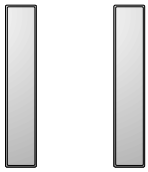


Desktop Speaker stand

Video cables



Audio cables



Speakers

SPECIFICATIONS

NOTE : Specifications and others are subject to change without notice for improvement.

■ Scope

This specification can be applied to all model of 42”PDP MONITOR related to RF-03FA Chassis.

Chassis	Model Name	Market Place	Brand
RF-03FA (Monitor)	MZ-50PZ44/45V46/47V	EU	LG
	MZ-50PZ90/91V92/93V		
	MT-50PZ44/45V46/47V	N-EU	LG
	MT-50PZ90/91V/92/93V		
RF-03FA (PDP Tuner)	RZ-BA50	EU	LG
	RT-BA50	N-EU	LG
AV BOARD	AP-50EA42	EU, Scart Type AV BOARD	LG
	AP-50EA43	N-EU, RCA Type AV BOARD	LG

■ Test Condition

1) Temperature : 25¡ 5°C (77¡ 9°F)
2) Relative Humidity: 65¡ 10%
3) Power Voltage:Standard Input Voltage
   (AC 110V-240V~, 50/60Hz)
   But Standard input voltage mark value is marked by model.
4) Follow each drawing or spec for spec and performance of parts,based upon P/N of RPL
5) Warm up set for more than 20min before the measurement.

■ Test and Inspection Method

1) Performance:Follow the Standard of LG TV test
2) Extra standards
   Safety: Follow the standard of CE, IEC
   EMC : Follow the standard of CE, IEC

Model Name	Market	Remark
MZ-50PZ44/45V46/47V MZ-50PZ90/91V92V/93V	EU	Safety: IEC60065,IEC60095 EMI : EN55013 -Conducted / Radiation
RZ-BA50		EMI : EN55013 (Antenna Terminal Voltage) EMS : EN55024
MT-50PZ44/45V/46/47V MT-50PZ90/91V/92/93V	N-EU	Safety : IEC60065,IEC60095 EMI : EN55013 -Conducted / Radiation
RT-BA50		EMI : EN55013 (Antenna Terminal Voltage)

■ General Specification

No	Item	Specification	Remark
1	Video Input applicable system	NTSC - M PAL SECAM NTSC 4.43 PAL - N PAL - M	MT-50PZ4X/9X, MZ-50PZ4X/9X :PAL, SECAM, NTSC-M, NTSC4.43 (4system)
2	Available Channel		W/O Tuner
3	Input Voltage	AC 110~240 , 50/60Hz	MT/MZ-50PZ4x/9x : 100~240V
4	Market	N -EU/ China EU	MT-50PZ4X/9X MZ-50PZ4X/9X
5	Screen Size	50inch	PDP
6	Aspect Ratio	16:9	
7	PDP Module	PDP50X20000	LGE
8	Screen Filter (Light Transmittance)	45% for Class A 45% for Class B	Maker : mitshi Maker : NBK (E-Mesh)
9	Operating Environment	1) Temp. : 0~40°C 2) humidity : 0~80%	
10	Storage Environment	1) Temp. : -20~60°C 2) humidity : 0~90%	

■ Model Specification

(1) MZ-50PZ4x/90x (MZ-50PZ46/47V/92/93V)

No	Item	Specification	Remark
8	Market	EU	
9	RGB Input	VGA, SVGA, XGA, SXGA 60Hz	
10	DVI Input	Digital RGB Input	
11	Video Input System	PAL, SECAM, NTSC	
12	S-Video Input	PAL, SECAM, NTSC	
13	Component Input	480i, 480p, 576i, 576p	
14	Audio Input	L/R 2 group	
15	Wired Control	Discrete IR	

(2) RZ-BA50

No	Item	Specification	Remark
16	Market	EU	
17	Input Voltage	DC 12V ⎓	
18	Broadcasting system	PAL B/ G/ I/ D/ K, SECAM L/ L”	
19	Receiving system	Upper Heterodyne	
20	Scart Jack	PAL, SECAM	

(3) MT-50PZ4x/9x (MT-50PZ44/45V/46/47V/90/91V/92/93V)

No	Item	Specification	Remark
21	Market	N-EU	
22	RGB Input	VGA, SVGA, XGA, SXGA 60Hz	
23	DVI Input	Digital RGB Input	
24	Video Input System	PAL, SECAM, NTSC	
25	S-Video Input	PAL, SECAM, NTSC	
26	Component Input	480i, 480p, 576i, 576p, 1080i, 1152i	
27	Audio Input	L/R 2 group	
28	Wired Control	Discrete IR	

(2) RT-BA50

No	Item	Specification	Remark
29	Market	N-EU	
30	Input Voltage	DC 12V ⎓	
31	Broadcasting system	PAL B/ G/ I/ D/ K, NTSC	
32	Receiving system	Upper Heterodyne	
33	Video In/ Out System	PAL, SECAM, NTSC	

■ Feature and Function

No	Item		Specification		Remark
1	Remote controller code		NEC Code		
2	Remote control		1) Wireless Remote Control		
			2) Wired Remote Control -RCA AV B'D -Tuner Box		
3	Local Key		Menu, Input select ■, VOL◀, VOL▶ Up▲/ Down▼, Power (Main Power)		
4	Set up method		Wall Mount/ Desk top		
			Pivot (Optional)		Pivot model
5	Feature (MNT)	RGB input - D - Sub 15 pin	1	RGB PC Input - VGA ~ 85Hz - SVGA ~ 85Hz - XGA ~ 75Hz - SXGA ~ 60Hz	
				RGB - DTV Input -480p/ 60Hz -576p/ 50Hz -1080i/ 50Hz -1152i/ 50Hz	MT-50PZ4x/9x
			1	DVI - D (Digital RGB)	

No	Item		Specification		Remark
5	Feature (MNT)	RGB out - D - Sub 15pin	1	RGBHV	
		Audio input - Phone Jack	1	L/ R For RGB Input	
		RS-232C - D - Sub pin	1	115200bps	
		External Speak output	1	L/ R	SPK Output
		Expanded Control	1	Tuner Box Control	36Pin
6	RCA Type AVB'D	Component input (Y/ P_B/ P_R, Y/Cb/Cr)	1	480i/ 480p/ 576i/ 576p	MZ-50PZ4x/9x
				480i/ 480p/ 576i/	MT-50PZ4x/9x
				480i/ 480p/ 576i/ 576p/ 1080i/ 1152i	Australia
		Video Input(CVBS)	1	PAL, SECAM, NTSC	
		Audio Input	2	L/ R For Video/ S- Video L/ R For Component	
		IR Jack	1	Discrete IR	
7	Scart Type Tuner model	ANT In (RF) - Tuner	1	PAL- BG/ DK/ I, SECAM-L/L'	RZ-BA50 - Follow Scart In/ Out Spec
		AV In/ Out -Scart Jack	2	Scart 1 (TV Out) Scart 2 (MNT Out)	- Auto AV (Scart 2 priority)
		IR Jack	1	Wired Remote Control	
		DC Jack	1	DC 12V In	
		Expanded Control	1	36Pin	
8	RCA Type Tuner model	ANT In (RF)	1	PAL-BG/ DK/ I, NTSC	RT-BA50
		AV In/ Out (CVBS) -RCA Jack	2	PAL, SECAM, NTSC Input	
				AV Output	
		IR Jack	1	Wired Remote Control	
		DC Jack	1	DC 12V In	
		Expanded Control	1	36Pin	
9	Scart Type AV B'D	Scar Jack	2	Vin, FB, RGB in, L/R in 1) TV out non-opposition 2) Auto AV non-function	
				Vin, Lin, R in, V out, L out, R out 1) MNT out of Tuner Box non-opposition 2) Auto AV non-opposition	
		S- Video Input	1	PAL, SECAM, NTSC	
		Audio Input	1	L/R For S-Video	

No	Item		Specification	Remark
10	MENU (picture)	Picture Status Mode (auto display adjut)	PSM ▶Dynamic, Standard, Mild, User	4 - Mode - Default : Standard
		Color Status Mode (auto colortempetue adjust)	CSM ▶Normal (10,000°K) ▶ Cool (12,000 °K) ▶ Warm (8,000 °K) ▶ User (RGB Control)	4 - Mode - Default : Normal
		Color Temperature	▶ R, G, B	Each +/- 10 Step - Default : 0
		User	▶ Contrast, Brightness, Colour, Sharpness	Default
			▶ Tint	Enable For NTSC
11	MENU (Sound)	Sound Status Mode (auto sound adjust)	SSM ▶ Flat, Speech, Movie, Music, User	5 - Mode - Default : Flat
		AVL (Auto Volume limit)	On Off	- Default : OFF
		User	▶ Treble, Bass, Balance	
12	MENU (Time)	Clock	User Setting	Default : 12:00
		Off Time	Off On : User Setting (Time)	Default : 12:00
		On Time	Off On : User Setting (Time/ Volume)	Default : 12:00/ Vol. 30
		Auto Sleep	Off On	Default : Off
13	MENU (special)	Language (For OSD)	EU 5 languages ▶ English, French, German, Spanish, Italian	Default : English
			3 languages ▶ English, Chinese, Russian	For Austailia/ China/ russia
		Child Lock - Local key Lock	On Off	Default : Off
		ISM Method	▶ Normal : ISM action On ▶ Orbiter : 2 min/ 2pixel a cycle ▶ Inversion : 30 min cycle On/ Off ▶ White Wash : Any key Off	--> Module Spec
		SET ID (RS- 232C control ID)	1 ~ 99	Default : 1
		Low Power (Save power function)	On : about 70% of standard power Off	Default : Off

No	Item		Specification	Remark
		OSD Rotate (Optional)	▶ Normal ▶ Rotate : OSD Rotate	Default : Normal Enable For Pivot
14	MENU (Screen)	Auto Configure	RGB PC	
		ARC	Auto : RF/ AV/ S-AV/ Component-i 4:3 : All 16:9 : All 14:9 : RF/ AV/ S-AV/ Component-i ZOOM : RF/ AV/ S-AV/ Component-i	Disable For DW Mode
		Zoom In/ Out	Zoom in/ Out (100%~ 300%)	Default :100
		Position	-RGB Input -Component Input (480p/ 576p / 1152is)	
		Manual Configure	Phase : 0~ 31 Colork : -50~ +50	RGB mode only
		Screen Adj.	TV / VCR	RF, AV, S- Video
		Reset	O	To Initialize for user data
		VGA Mode	640 x 480 848 x 480 852 x 480	WVGA RGB/ DVI Mode
15	MENU (PIP/DW)	Input (Main) MT-50PZ46/47V MT-50PZ92/93V	RGB ⟶ DVI	- Nothing AV B'D - Nothing Tuner Box
		1) MZ-50PZ4x/9x 2) RZ-BA50	TV⟶AV1(EXP)⟶AV2(EXP)⟶AV⟶ S-VIDEO⟶COMPONENT⟶RGB ⟶ DVI	- RCA AV B'D - Scart Tuner Box
		MZ-50PZ4x/9x	RGB⟶DVI⟶AV1⟶AV2⟶S-VIDEO	- Scart AV B'D
		1) MT-50PZ4x/9x 2) RT-BA50	TV⟶AV(EXP)⟶AV⟶S-VIDEO ⟶COMPONENT⟶RGB⟶DVI	- RCA AV B'D - RCA Tuner Box
		MT-50PZ4x9x	RGB⟶DVI⟶COMPONENT⟶AV ⟶S-VIDEO	- RCA AV B'D
			TV⟶AV1(EXO)⟶AV2(EXP)⟶RGB⟶ DVI	- Nothing AV B'D - Scart tuner Box
			TV⟶VIDEO(EXP)⟶RGB⟶DVI	- Nothing AV B'D - RCA Tuner Box
			TV⟶AV1(EXP)⟶AV2(EXP)⟶AV1 ⟶AV2⟶S-VIDEO⟶RGB⟶DVI	- Scart AV B'D - Scart Tuner Box
			TV⟶AV(EXP)⟶AV1⟶AV2 ⟶S-VIEDO⟶RGB⟶DVI	

No	Item		Specification	Remark
15	MENU (PIP/DW)	DW	OFF, DW1, DW2	
		PIP	OFF, ON	
		Sub Input	Equal Main Input * Display Condition 1) Identity of Input Source is not Main/ Sub Display 2) Don't allow PIP/DW between graphic signals of 480p ↑ 3) When this condition appear,swap the Main/Sub screen and old input sourse.	
			Main Input: Available Sub Input	
			RGB, DVI Component 480p ↑: TV, AV, S-VIDEO, SCART, Component 480i	
			TV, AV, S-VIDEO SCART Component 480i: All (Except Limitation)	
		Win, Size	Variable	Main/Sub screen All
		Win, Position	Variable	PIP display Only
		PIP ARC	4:3, 16:9	
16	MENU (CH)	Auto Program	System, Storage(0~99), Start	- With Tuner Box - Gray Except TV Mode - Gray For MNT
		Manual Program	Storage(0~99), System, CH., Fine, Search, Name	
		Program Edit	Del, Copy, Move, Skip	
17	Hot Key (Remote)	Input Select: Multimedia	Component→RGB→DVI	
		Input Select	Sequentially For Input Mode	Main Input order
		PIP/ DW	PIP→DW1→DW2→Off	
		SWAP	O (Main/Sub screen Swap)	
		I/ II/ *	SiF Control	For Tuner Boxs
		Key of except TEXT	O (TEXT standard fuction)	
		SPLIT ZOOM	2/ 4/ 9 division	
		ZOOM-, ZOOM+	100% ~ 300%	
		Power On	Power, Numberic(0~9), TV/ AV, Multimedia, PR +/-	
		Etc.	Numberic(0~9), ARC, PR¡, VOL¡, MUTE, PIP Input, PIP PR¡, MENU, PSM, SSM	
18	Adaptive	Comb Filter	4H Comb	VPC3230
		DCDI	O	FLI2300/ FLI231
		Film Mode	X (Option)	0
		Motion Detection	O	
		Noise Reduction	O	

■ RGB Input (PC)

No	Resolution	H-freq (kHz)	V-freq (Hz)	Pixel clock (MHz)	Proposed
	PC				
1	640 x 350	37.861	85.08	31.50	EGA
2	720 x 400	31.469	70.08	28.32	DOS
3	720 x 400	37.927	85.03	35.50	DOS
4	640 x 480	31.469	59.94	25.17	VESA(VGA)
5	640 x 480	35.000	66.66	30.24	Macintosh
6	640 x 480	37.861	72.80	31.50	VESA(VGA)
7	640 x 480	37.500	75.00	31.50	VESA(VGA)
8	640 x 480	43.269	85.00	36.00	VESA(VGA)
9	848 x 480	31.500	60.00	33.52	WVGA
10	848 x 480	35.000	70.00	37.73	WVGA
11	848 x 480	37.500	75.00	40.80	WVGA
12	852 x 480	31.500	60.00	33.52	WVGA
13	852 x 480	35.000	70.00	3773	WVGA
14	852 x 480	37.500	75.00	40.08	WVGA
15	800 x 600	35.156	56.25	36.00	VESA(SVGA)
16	800 x 600	37.879	60.31	40.00	VESA(SVGA)
17	800 x 600	46.875	75.00	49.50	VESA(SVGA)
18	800 x 600	53.674	85.06	56.25	VESA(SVGA)
19	832 x 624	49.725	74.55	57.28	Macintosh
20	1024 x 768	48.363	60.00	65.00	VESA(XGA)
21	1024 x 768	56.476	70.06	75.00	VESA(XGA)
22	1024 x 768	60.023	75.02	78.75	VESA(XGA)
23	1360 x 768	47.700	60.00	84.62	WXGA
24	1360 x 768	59.625	75.02	103.15	WXGA
25	1366 x 768	47.700	60.00	84.62	WXGA
26	1366 x 768	59.625	7502	103.15	WXGA
27	1152 x 864	54.348	60.05	80.00	VESA(SXGA)
28	1152 x 864	63.995	70.01	94.20	VESA(SXGA)
29	1152 x 864	67.500	75.00	108.00	VESA(SXGA)
30	1280 x 960	60.000	60.00	108.00	VESA
31	1280 x 1024	63.981	60.02	108.00	VESA(SXGA)

■ Component Video Input (Y, P_B, P_R)

No	Resolution	H-freq (kHz)	V-freq (Hz)	Pixel clock (MHz)	Proposed
1	720 x 480	15.625	60.00	13.500	480I
2	720 x 480	31.250	60.00	27.027	480P
3	720 x 576	15.625	50.00	13.500	576I
4	720 x 576	31.250	50.00	27.027	576p
5	1920 x 1080	28.125	50.00	74.250	1080i

■ RGB Input (DTV)

No	Resolution	H-freq (kHz)	V-freq (Hz)	Pixel clock (MHz)	Remarks
1	1024 x 576	31.250	50.00	27.027	MT-50PZ4x/9x
2	1920 x 1080	28.125	50.00	74.250	MT-50PZ4x/9x
3	1920 x 1080 (+72)	31.250	50.00	74.250	MT-50PZ4x/9x

■ PDP MODULE (PDP50WXDP1)

No	Resolution		Min	Type	Max	Unit	Remarks
1	Display area		1105.8(H) x 622.1(V) ¡ 0.5			Mm	
2	Outline dimension		1190(H) x 700(H) x 57(D) ¡ 1			Mm	
3	Number of Pixels		1366(H) x 768(V)				
4	Cell pitch		260(H) x 810(V)				G cell basis
5	Color Arrangement		Fish Bone type				
6	weight(net)		23.5	24	24.5	kg	
7	weight(gross)		89.5	90	90.5	Kg	3EA 1Box
8	Operating Environment		Temp : 0 ~ 40			Deg	
			Humidity : 20 ~ 80%			%	
9	Storage Enironment		Temp : -20 ~ 60 deg			Deg	
			Humidity : 10 ~ 90%			%	
10	Image stick minimization moe	Starts time	4.5	5	5.5	Min	
		Minimum brightness arriving time	14	15	16	Min	

ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions are applied to all of the PDP monitor/ Tuner , RF-03FB chassis.

2. Notes

(1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test instrument.
(2) Adjustment must be done in the correct order.
(3) The adjustment must be performed in the circumstance of 25±5°C of temperature and 65±10% of relative humidity if there is no specific designation.
(4) The input voltage of the receiver must keep 220V, 60Hz in adjusting.
(5) The receiver must be operated for about 15 minutes prior to the adjustment.

¤ After receiving 100% white pattern, the receiver must be operate prior to adjustment.(Or white condition in HEAT-RUN mode)

¤Ł Enter into HEAT-RUN mode
- Select the HEAT-RUN OFF by pressing ADJ Key on Remote Control for adjustment.
- Press the VOL + Key in HEAT-RUN OFF. (OSD display HEAT-RUN WHITE and screen display 100% FULL WHITE PATTERN)

⁎ Set is activated HEAT-RUN without signal generator in this mode.
⁎ Single color pattern of HEAT-RUN mode uses to check PANEL.(RED/BLUE/GREEN)

[Caution] *If you turn on a still screen more than 20 minutes, a afterimage may be occur in the black level part of the screen.*

3. Board Adjustment Method

<Channel memory>

(1) Input the power to set.
(2) Connect the PC for OPTION DATA memory work to RS-232C.
(3) Execute the program for OPTION DATA memory that fit each BOM
- Program execution method for channel memory

¤ Click the “MZ-42PZ44/45V.EXE” to execution.

¤Ł Select the setting PORT of PC in”SELECT PORT” and then click the “SELECT PORT”.

¤Ø Click the “DOWN LOAD TO E2PROM”

¤Œ Click the “OPEN“ in FILE NAME

¤º Click a suitable data on BOM.

¤º Click the “ENTER”

¤ Show the channel memory.

¤ When the channel memory is finished, divide the RS-232C CABLE in VSC BOARD.

¤ In case VSC BOARD of same BOM, connect the RS-232C CABLE and then repeat 6)~8) by same method.

4. RGB Auto Cut-Off & MIN Bias MAX Bias Adjustment

(1) Input Full White (255 Gray) signal which generated from Pattern Generator into RGB1 Input part.
(2) Press POWER ON KEY on R/C for adjustment and select AUTO CUT-OFF
(3) Press Vol. + key and operate TO SET
(4) Screen adjustment starts with Full Black screen. Original Window screen will be presented about 3-5 seconds later. And if there is a mark of OK OSD, then the Auto Cut-off, MIN Bias, MAX Bias adjustment will be completed.
(5) If you finished adjustment, press the (■)ENTER key to exit from adjustment mode.

● You can check whether circuit adjustment is operated well or not, as below.
(1) Display RGB1 to the Main picture, CVBS to the Sub picture in the TWIN PICTURE.
(2) To check the MIN-Bias, input Full Black (0 gray) signal into CVBS and RGB1 input part at the same time in the Pattern Generator.
(3) To check the MAX-Bias, input Full White (255 gray) signal into CVBS and RGB1 input part at the same time in the Pattern Generator.
(4) Compare Black Level with White Level by eyes. And if there is no Level difference, the adjustment is completed well.

● Data value, which adjusted in the board, is valid until the VSC Board is dissued and must be protected. For the protection of data, Micom does not permit any more adjustment after completion.
● If the price which is adjusted does unavoidably and the case must become the re-adjustment the method which it does again with lower part is same.

- After pressing the InStart Key on the Remote Control of adjustment, the InStop Key on the Remote Control of adjustment it confirms that the adjustment mode OSD floats from the condition which presses the MENU button on the Local Key and when adjustment li it presses, becomes the Power off and it becomes initially anger. And after the Power on it re-is adjusted again.

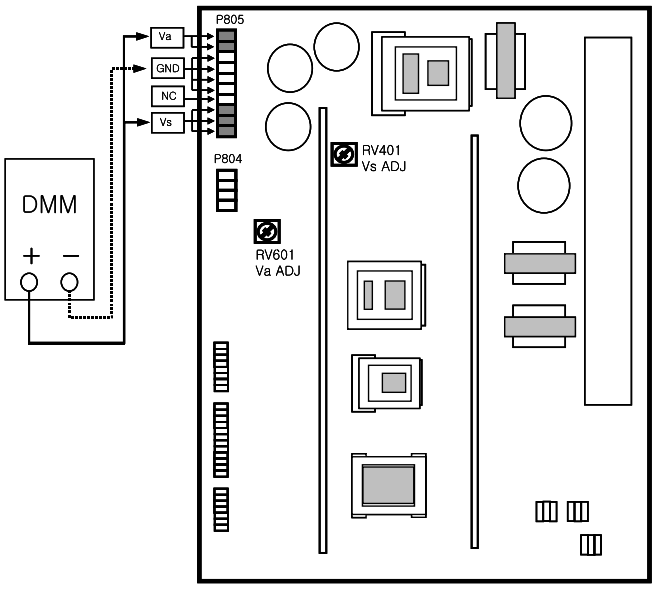
5. POWER PCB Assy Voltage Adjustment (Va, Vs, Voltage Adjustment)

5-1. Test Equipment

: D.M.M 1EA

5-2. Connection Diagram for Measuring

: Refer <fig1>



<Fig 1> Connection Diagram of MURATA Power Adj. for Measuring

5-3. Adjustment Method

(1) Va Adjustment

- After receiving 100% white pattern, HEAT RUN.
- Connect + terminal of D.M.M to Va pin of CN803 and connect – terminal to GND pin of CN803.
- After turning the VR351, voltage of D.M.M adjustment as same as Va voltage which on label of panel Right/Top. (Deviation : ±0.5V)

(2) Vs Adjustment

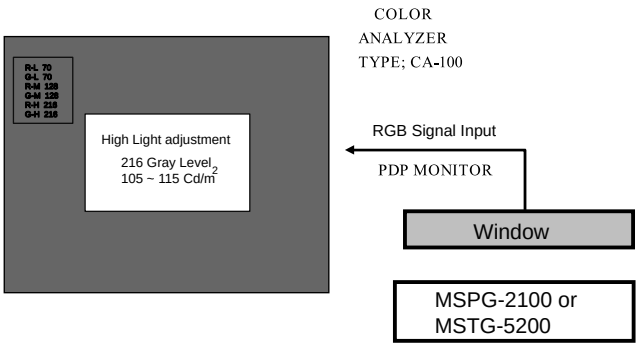
- Connect + terminal of D.M.M to Vs pin of P805 and connect – terminal to GND pin of CN803.
- After turning the VR551, voltage of D.M.M adjustment as same as Vs voltage which on label of panel Right/Top. (Deviation : ±0.5V)

6. Adjustment of White Balance

6-1. Required Equipment

Color analyzer (CA-100 or same product)

6-2. Connection Diagram of Equipment for Measuring (Manual Adjustment)



<Fig 2> Connection Diagram of Manual Adjustment

6-3. Adjustment of White Balance

- Operate the Zero-calibration of the CA-100, then stick sensor to PDP module surface when you adjust.
- For manual adjustment, it is also possible by the following sequence.

(1) Select WHITE PATTERN of HEAT RUN mode by pressing POWER ON KEY on remote control for adjustment then operate HEAT RUN more than 15 minute.
(2) Supply 216Gray Level, 50% size length and breadth signal to RGB input. (Refer to Fig 2)
(3) To adjust High Light, stick sensor to 216Gray Level(or 105~115 Cd/m2) Pattern, press ADJ Key on R/C for adjustment and press ▲, ▼ on R/C in adjustment mode to select R-L or G-L, press VOL +, - Key and adjust it until color coordination becomes as below.
[MZ-42PZ4x, MT-42PZ4x]
X: 0.275±0.003, Y: 0.267±0.003
Color temperature: 11,500°K±500°K
(4) Exit adjustment mode using ■ Key.

6-4. Map for Auto adjustment (RS-232C)

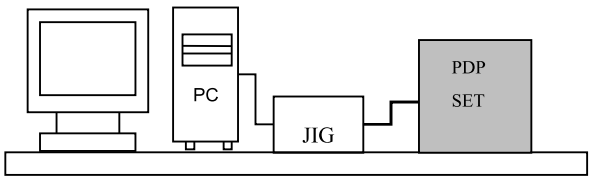
RF-03FB_PDP50						
Typ	RS232					
Baud Rate	Data bit		Stop bit		Parity	
1150200	8		1		NONE	
Protocol Setting	Index	Cmd1	Cmd2	Data	Min Value	Max Value
	R-H	j	a		180(B4)	254(FE)
	G-H	j	b		170(AA)	250(FA)

7. DDC Data Input

7-1. Required Test Equipment

(1) A jig for adjusting PC, DDC. (PC serial to D-sub. Connection equipment)
(2) S/W for writing DDC(EDID data write & read)
(3) D-Sub 15P cable, D-Sub to DVI Connector (Connect to DVI Jack)

7-2. Setting of Device



7-3. Preparation for Adjustment

(1) Set devices as above and turn the PC, jig on.
(2) Put S/W for writing DDC (EDID data write & read) into operation. (operated in DOS mode.)

7-4. Sequence of Adjustment

(1) DDC Data Input for Analog-RGB

- ¤ Put the set on the table and turn the power on.
- ¤Ł Connect PC Serial to D-sub 15P Cable of JIG for DDC Adjustment to RGB terminal (D-Sub 15Pin).
- ¤Ø Operate S/W for DDC record and select DDC Data for Analog RGB in Model Menu.
- ¤Œ Operate EDID Write command.
- ¤º Operate EDID Read command and check whether Check Sum is OK.
- ¤ If Check Sum is NG, repeat ¤Ø~ ¤Œ
- ¤ If Check Sum is OK, DDC Data for Analog-RGB input is completed.

(2) DDC Data input for Digital-RGB

- ¤ Connect PC Serial to DVI Cable of JIG for DDC Adjustment to RGB2 terminal (DVI Jack).
- ¤Ł Operate S/W for DDC record and select DDC Data for Digital RGB in Model Menu.
- ¤Ø Operate EDID Write command.
- ¤Œ Operate EDID Read command and check whether Check Sum is OK.
- ¤º If Check Sum is NG, repeat ¤Ø~ ¤Œ
- ¤ If Check Sum is OK, DDC Data for Digital-RGB input is completed.

8. OPTION DATA memory

(1) Input the power to set.
(2) Connect the PC for OPTION DATA memory work to RS-232C.
(3) Execute the program for OPTION DATA that fit each BOM
- Program execution method for OPTION DATA

- ¤ Click the “SERVICE_DOWN_LOADER.EXE” to execution.
- ¤Ł Select the setting PORT of PC in”SELECT PORT” and then click the “SELECT PORT”.
- ¤Ø Click the “”
- ¤Œ Click the “OPEN“ in FILE NAME
- ¤º Click a suitable data on BOM.
- ¤º Click the “ENTER”
- ¤ Show the OPTION DATA memory.
- ¤ When the OPTION DATA memory is finished, divide the RS-232C CABLE in set.
- ¤ In case set of same BOM, connect the RS-232C CABLE and then repeat 6)~8) by same method.

9. Component Off-Set adjustment

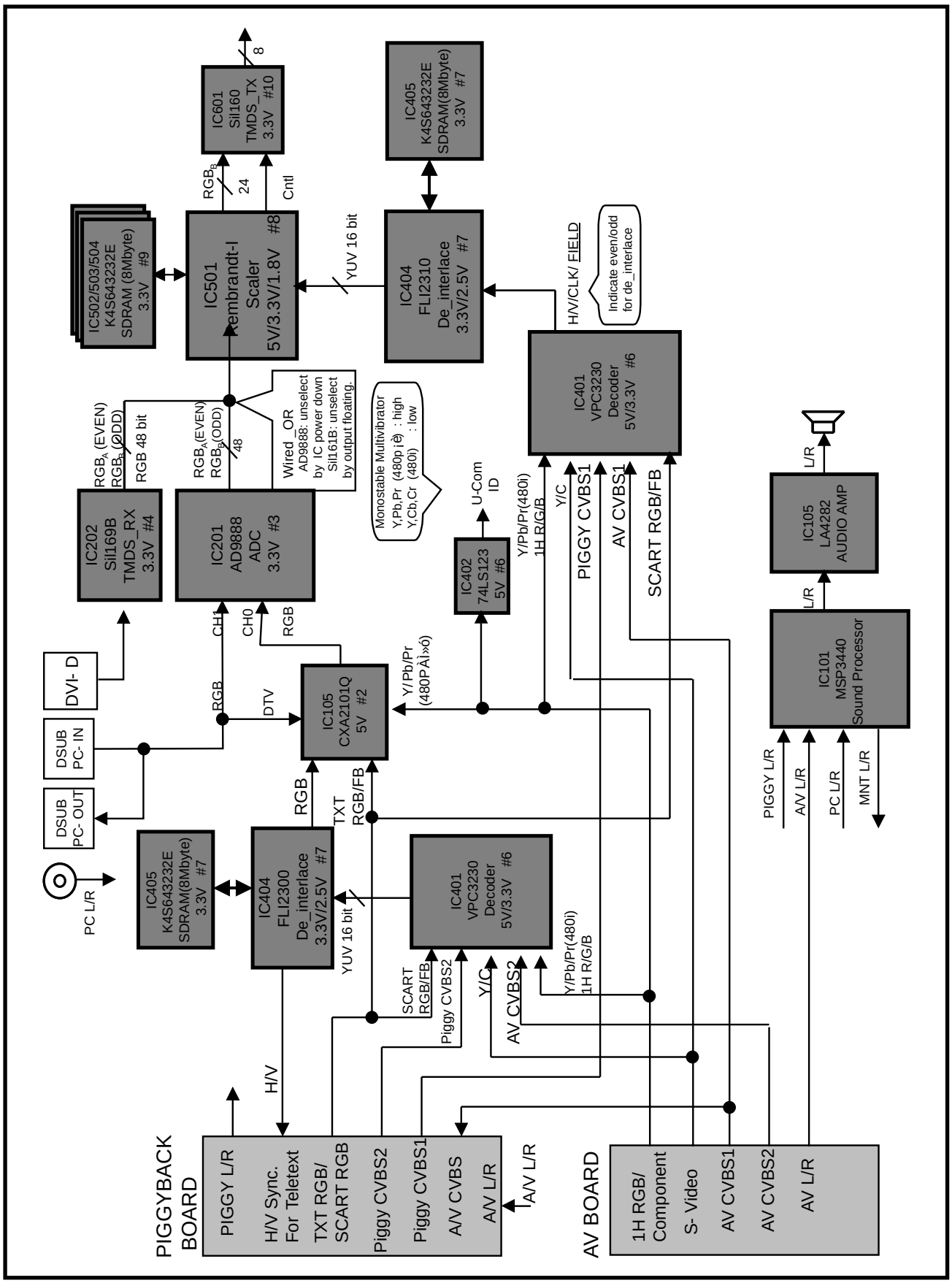
9-1. Required Equipment

HD-STB (SK-010T or same product)

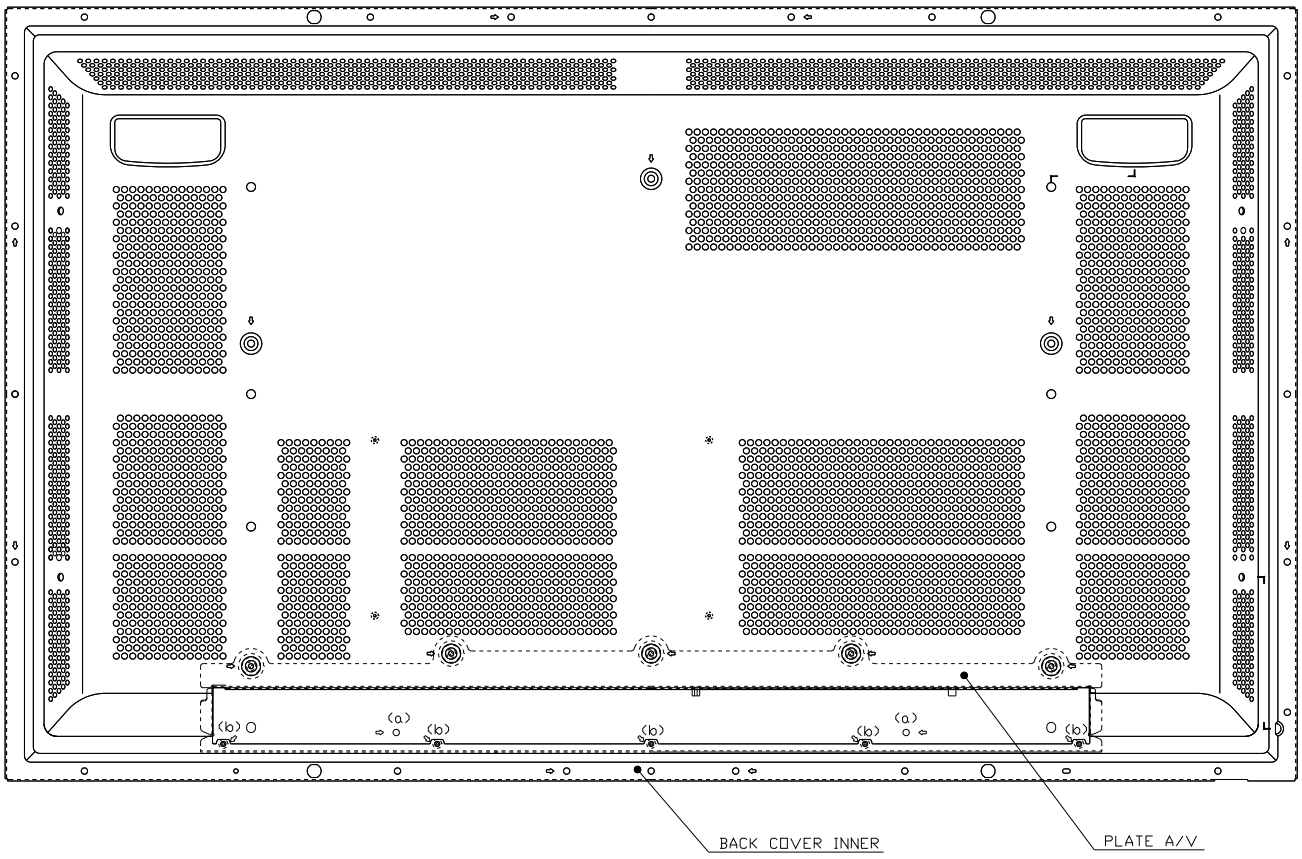
9-2. Manual Adjustment of Off-Set

(1) Input Video signal and Component 720P, 1080i signal of HD-STB into Video and Component input part.
(2) Select Twin Picture by pressing ADJ twice on R/C, check component in the main picture and Video in the sub picture.
(3) Adjust the G-OFFSET is identical “2” the degree which is visible of component(Main picture) and Video Input(Sub picture) by pressing Volume +, - key.
(4) Adjust the R-OFFSET, B-OFFSET color impression of component(Main picture) and external Input(Sub picture) same by pressing Volume +,- key.

BLOCK DIAGRAM



ASSEMBLY METHOD



1. MODULE of <a> part and PLATE A/V unite two things.

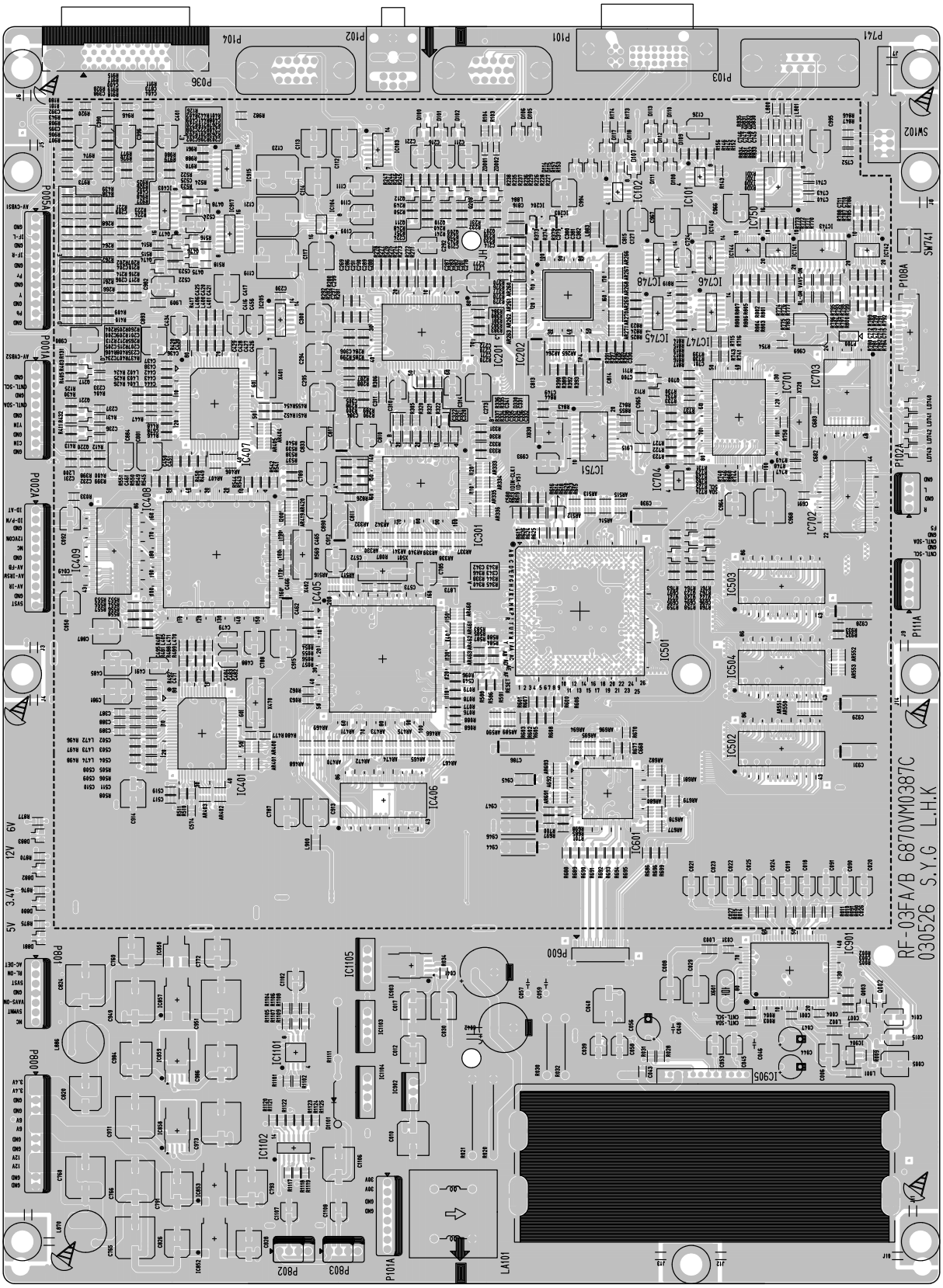
2. Unite after put on BACK COVER INNER of <b> part .

3. Disassembly is opposite to Assembly.

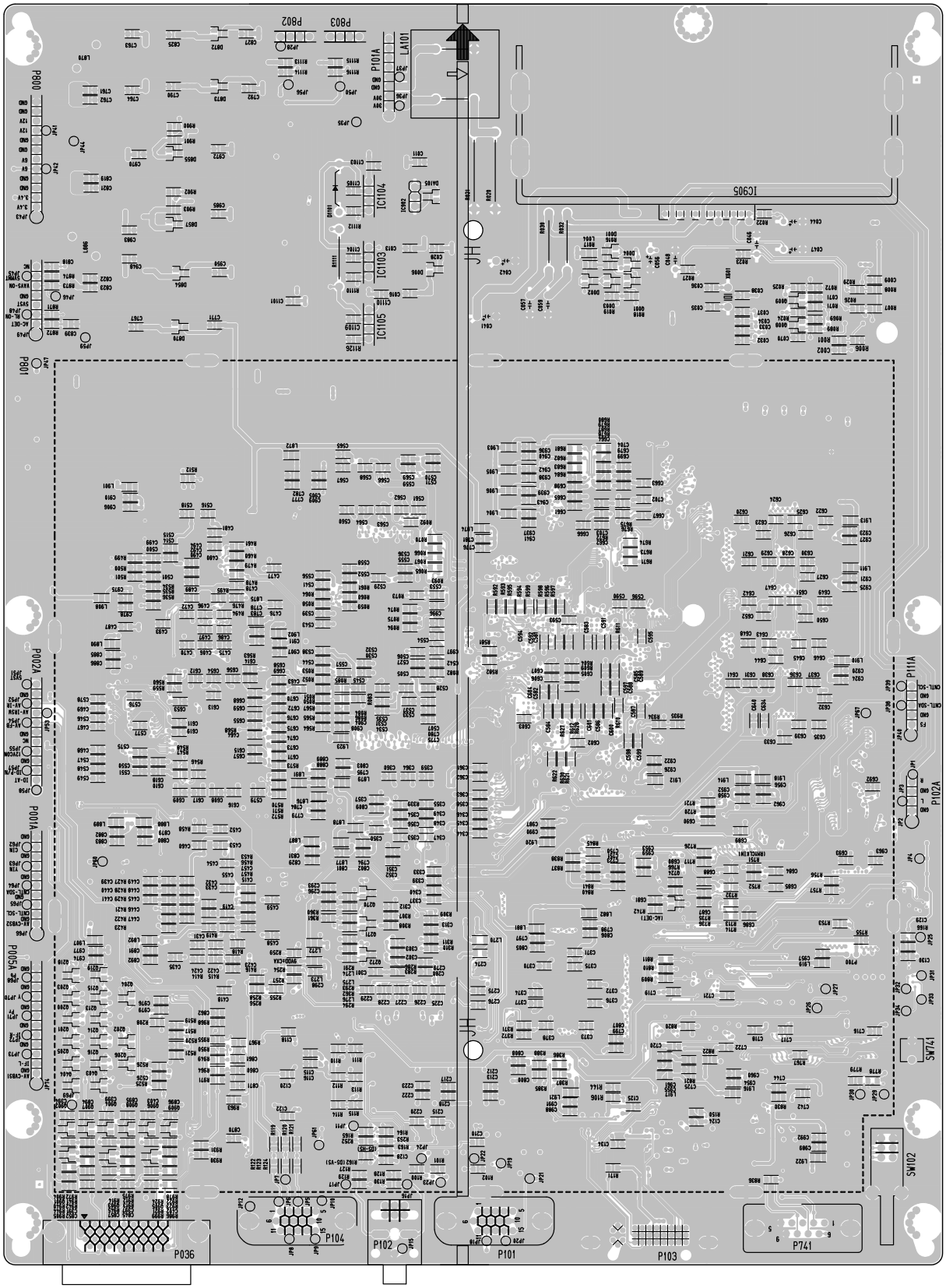
NOTE> Working sequence of <a> Part is different from <b> Part.

PRINTED CIRCUIT BOARD

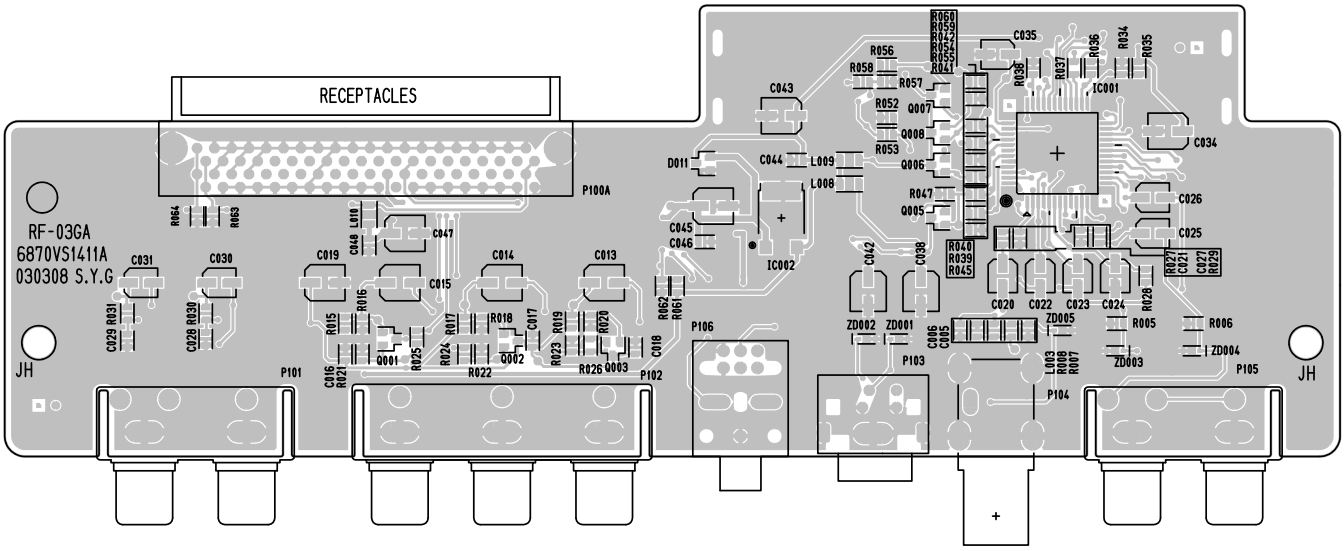
MAIN (TOP)



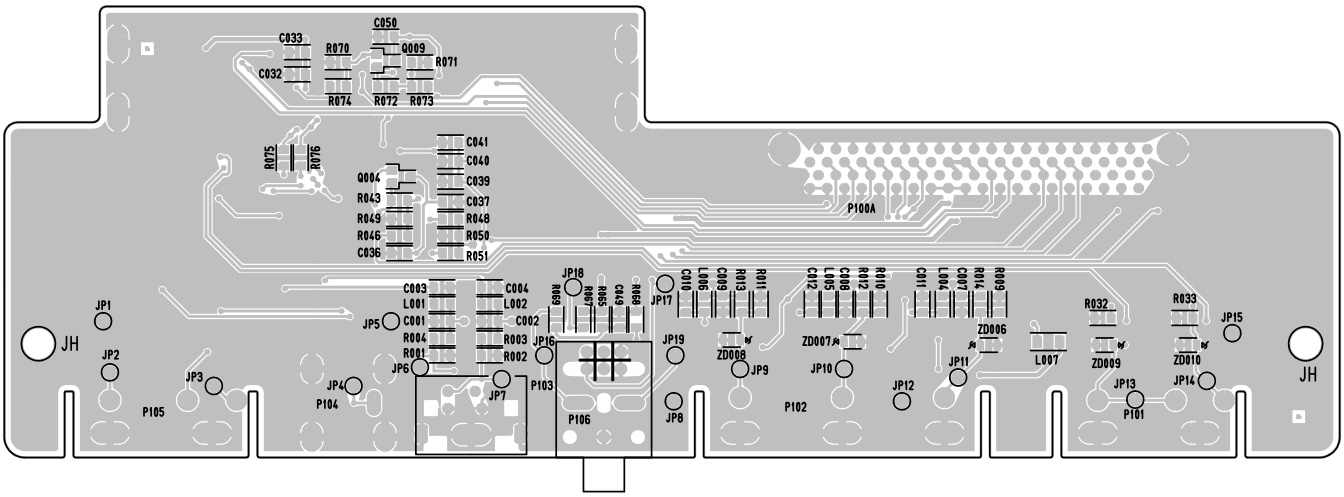
MAIN (BOTTOM)


P802
P803
P101A
LA101
IC1104
IC1103
IC1105
IC905
P800
P801
P102A
P001A
P005A
P111A
P102A
SW741
SW102
P036
P104
P102
P101
P103
P741

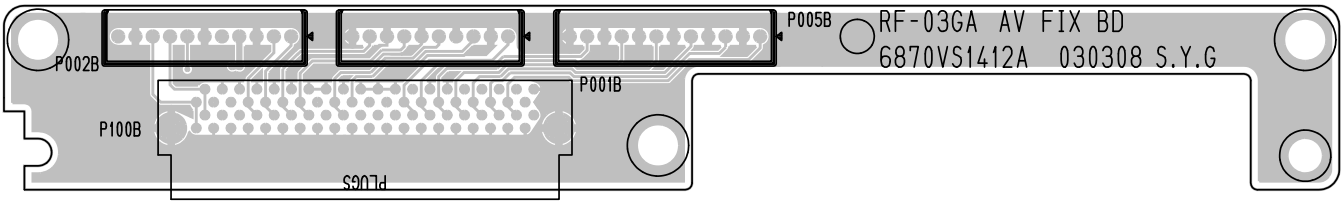
AV BOARD (TOP)



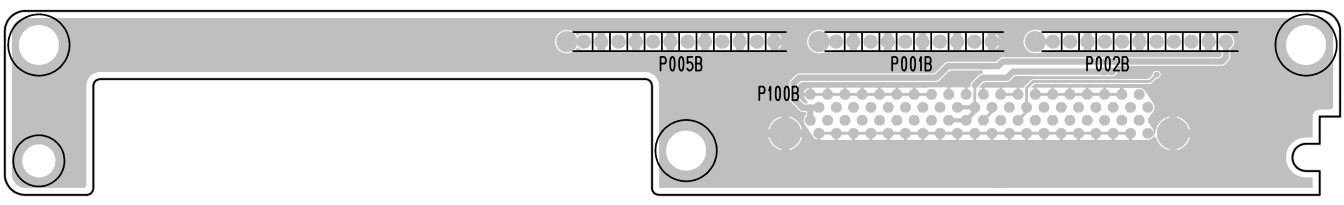
AV BOARD (BOTTOM)



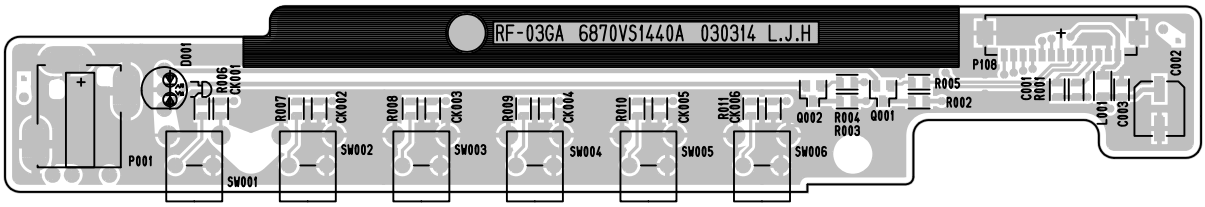
AV FIX BOARD (TOP)



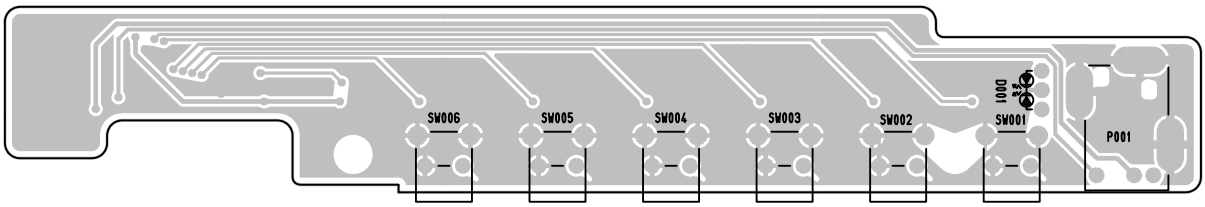
AV FIX BOARD (BOTTOM)



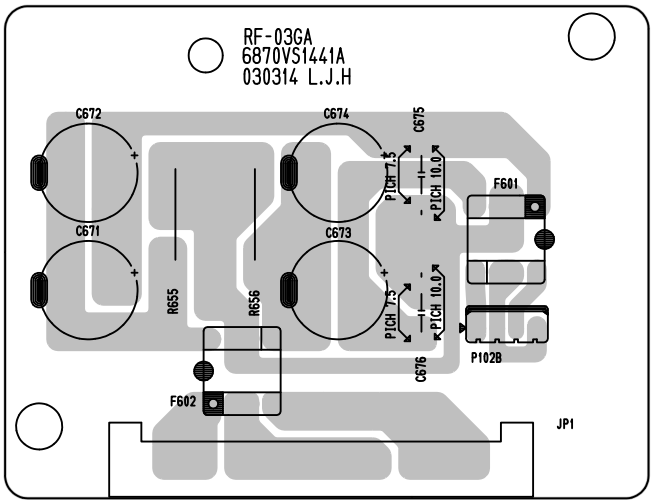
CONTROL BOARD (TOP)



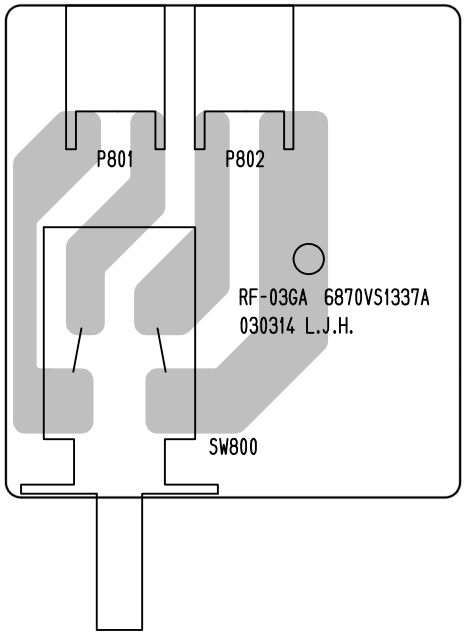
CONTROL BOARD (BOTTOM)



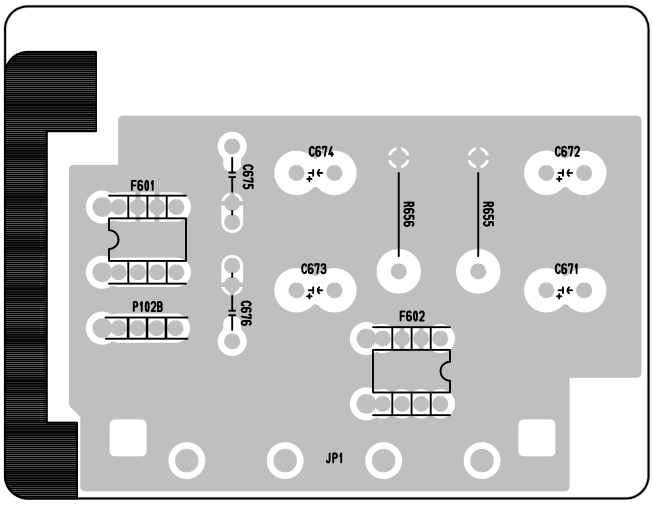
SPEAKER (TOP)



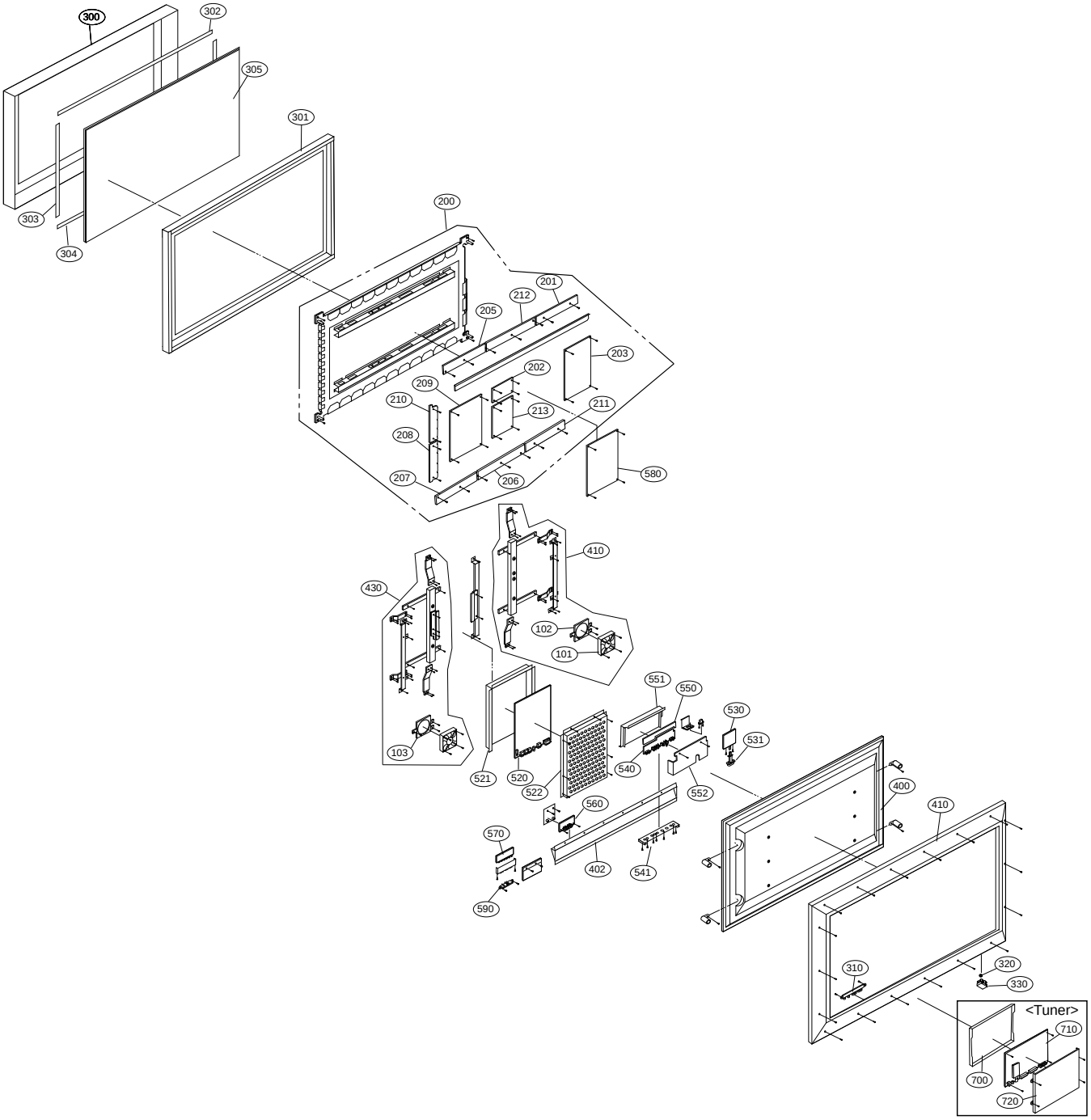
POWER SWITCH



SPEAKER (BOTTOM)



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.	Part No.	Description
101	5900V12001A	FAN,DC G1225S12B2 DONGYANG 12X12X25 12V130MA 1500 168GM MOTOR L=260
102	4980V00781A	SUPPORTER, ASSY NON FAN(L) MN-50PZ10
103	4980V00782A	SUPPORTER, ASSY NON FAN(R) MN-50PZ10
200	6348Q-C032A	PDP, 50 16:9 1365*768 KK, FOR INTERCOMPANY DOMESTIC
201	6871QRH035A	PWB(PCB) ASSEMBLY,DISPLAY XRRT ASSY HAND INSERT 50X2 X_RT 4LAYER 260MM X 280MM
202	6871QPH008A	PWB(PCB) ASSEMBLY,DISPLAY DCDC ASSY HAND INSERT KK MODEL
203	6871QZH031A	PWB(PCB) ASSEMBLY,DISPLAY ZSUS ASSY HAND INSERT 50KK 2LAYER
205	6871QLH032A	PWB(PCB) ASSEMBLY,DISPLAY XRLT ASSY HAND INSERT 50X2 X_LT 4LAYER 352.5 X 280
206	6871QXH021A	PWB(PCB) ASSEMBLY,DISPLAY XRCB ASSY HAND INSERT 50X2 X_CB 4LAYER 415.5MM X 280MM
207	6871QLH033A	PWB(PCB) ASSEMBLY,DISPLAY XRLB ASSY HAND INSERT 50X2 X_LB 4LAYER 352.5 X 280
208	6871QDH049A	PWB(PCB) ASSEMBLY,DISPLAY YDRV ASSY HAND INSERT 50WXDP2 4L(BTM)
209	6871QYH028A	PWB(PCB) ASSEMBLY,DISPLAY YSUS ASSY HAND INSERT 50KK 4LAYER
210	6871QDH048A	PWB(PCB) ASSEMBLY,DISPLAY YDRV ASSY HAND INSERT 50WXDP2 4L(TOP)
211	6871QRH036A	PWB(PCB) ASSEMBLY,DISPLAY XRRB ASSY HAND INSERT 50X2 X_RB 4LAYER 260X 280
212	6871QXH020A	PWB(PCB) ASSEMBLY,DISPLAY XRCT ASSY HAND INSERT 50X2 X_CT 4LAYER 415.5 X 280
213	6871QCH028B	PWB(PCB) ASSEMBLY,DISPLAY CTRL ASSY HAND INSERT 50X2 280*180 PD4021
300	3091V00433X	CABINET ASSEMBLY, MZ-50PZ44 NON RF03GB FOR KK COSMETIC CHANGE
301	3110V00203D	CASE, ASSY MN-50PZ44S EGI .
302	4980V00361A	SUPPORTER, FILTER EGI MN-50PZ40
303	4980V00362A	SUPPORTER, FILTER EGI MN-50PZ40
304	4980V00363A	SUPPORTER, FILTER EGI MN-50PZ40
305	3790V00683B	FILTER(MECH), MN-50PZ41 115001S03E GLASS NBK MESH SINGLE AR
310	5020V00688A	BUTTON, CONTROL MN-50PZ41 . SET
320	320-062H	SPRING, COIL
330	5020V00645A	BUTTON, POWER OUTER MN-50PZ40 SET
400	3809V00292D	BACK COVER ASSEMBLY, MZ-50PZ46 NON PIGGY
401	3809V00293M	BACK COVER ASSEMBLY, MZ-50PZ44 NON FOR KK COS CHANGE
402	3301V00016N	PLATE ASSEMBLY, A/V PIGGY MT-50PZ44V
410	4980V00416E	SUPPORTER, MODULE AL MN-50PZ44VS LEFT
430	4980V00416F	SUPPORTER, MODULE AL MN-50PZ44VS RIGHT
520	6871VMMR01A	PWB(PCB) ASSEMBLY, MAIN RF03FB 50 KK VSC B/D (40)
	6871VMMR01B	PWB(PCB) ASSEMBLY, MAIN RF03FB 50 KK VSC B/D (40)
521	4814V00323B	SHIELD, ASSY MN-50PZ10 NON AL BOTTOM
522	4814V00387A	SHIELD, ASSY MN-50PZ90V NON NON VSC TOP
530	6871VSMV26A	PWB(PCB) ASSEMBLY,SUB, PSW RF03GB 50 KK POWES S/W
531	5020V00648A	BUTTON, POWER INNER MN-50PZ40 SET
540	6871VSMV85A	PWB(PCB) ASSEMBLY,SUB A/V RF03FB 50 KK AV BOARD (RCA)
550	6871VSMV30A	PWB(PCB) ASSEMBLY,SUB A/V RF03GB FIX BOARD
551	4980V00936A	SUPPORTER, NON EGI AV
552	4814V00388B	SHIELD, CASE MN-50PZ90V RF03GB AL AV
560	6871VSMV28A	PWB(PCB) ASSEMBLY,SUB SPK RF03GB 50 KK SPK TERMINAL
570	6871VSMD08A	PWB(PCB) ASSEMBLY,SUB KBD RF-02CA 50IN LOCAL KEY
580	3501V00084D	BOARD ASSEMBLY, POWER MN50PZ10 RF03GB SRX-75 SONY 50KK
590	6871VSMD07A	PWB(PCB) ASSEMBLY,SUB, P/AMP RF-02CA 50IN PRE AMP
		TUNER
700	3110V00237F	CASE, TUNER RT-BA50 EGI BOTTOM ASSY
	3110V00237E	CASE, TUNER RZ-BA50 EGI BOTTOM ASSY
710	6871VMM500C	PWB ASSEMBLY,MAIN RF03FA PIGGYBACK STB-SCART
	6871VMM499B	PWB ASSEMBLY,MAIN RF03FA PIGGYBACK STB-SCART
720	3110V00242F	CASE, TUNER RT-BA50 EGI TOP ASSY
	3110V00242E	CASE, TUNER RZ-BA50 EGI TOP ASSY

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
	IC	
kIC001	0ISM555000A	IC, SDA5550 MQFP100 BK MICOM TXT MC006A
IC001	0ISO208900A	IC, CXA2089Q 48QFP BK A/V SWITCH
IC002	0IZZVA0079B	IC, M27W201 DIP 32P ST RF-03FA PIGGY OTP(RCA)
IC002	0IMCRFA010A	IC, KA7809R, FAIRCHILD 2P D-PAK, R/TP REGULATOR IC
IC003	0ISS610082A	IC, 32-TSOP R/TP 1M(8BIT-128K)-SRAM(3.3V),70NS MC-006A
IC004	0IAL241610B	IC, AT24C16A-10PI-2.7 8PIN DIP ST EEPROM NON
IC005	0IKE702700D	IC, KIA7027AF 3, SOT-89 TP RESET IC 2.7V
IC006	0ISJ111725A	IC, EZ1117ACST-2.5 3P SOT ST REGULATORS
IC008	0ISJ111733A	IC, EZ1117CST-3.3 3P,SOT-223 TP 3.3V CHIP REGULATOR
IC101	0IMCRFA015A	IC, KA7805R FAIRCHILD 2P D-PAK R/TP 500MA
IC101	0IAL242110A	IC, AT24C21-10SI-2.5 8P,SOP TP 1K EEPROM
IC102	0IAL242110A	IC, AT24C21-10SI-2.5 8P,SOP TP 1K EEPROM
IC103	0IMCRTI003A	IC, 16P R/TP QUADRUPLE
IC104	0IPRPBB005A	IC, 16PIN SSOP R/TP BUFFER AMP
IC1101	0IDS162100B	IC, DS1621V 8P SOIC ST THERMOSTAT -
IC1102	0IMCRPH015A	IC, 14P SOT108-1 R/TP QUAD 2-IN OR GATE
IC1103	0ISH092100B	IC, PQ09RD21 4SIP ST REGULATOR -
IC1104	0ISH122100B	IC, PQ12RD21 4SIP ST REGULATOR -
IC1105	0ISH092100B	IC, PQ09RD21 4SIP ST REGULATOR -
IC201	0ISO210100B	IC, CXA2101AQ 80P,QFP BK VIDEO SIGNAL PROCESSOR
IC202	0IPRPTI001A	IC, TFP401PZP TEXAS INSTRUMENT 100,TQFP
IC205	0IMCRTI003A	IC, 16P R/TP QUADRUPLE
IC301	0IMCRAD003A	IC, AD9888KS-140 ANALOG DEVICE 128P MQFP
IC401	0ISO208900A	IC, CXA2089Q 48QFP BK A/V SWITCH
IC401	0IIT323000E	IC, VPC3230D C5 80P QFP TRAY VIDEO PROCESSOR PDP50
IC402	0IMCRFA010A	IC, KA7809R, FAIRCHILD 2P D-PAK, R/TP REGULATOR IC
IC403	0IFA741230A	IC, DM74LS123MX 16SOP TP DUAL RETRIG.
IC405	0IMCRGN001B	IC, FLI2310BC GENESIS 208P PQFP TRAY
IC406	0IMMRHY033A	IC, HY57V643220C(L)T-6 HYNIX 86P TSOP
IC407	0IIT323000E	IC, VPC3230D C5 80P QFP TRAY VIDEO PROCESSOR PDP50
IC408	0IMCRGN002B	IC, 208P PQFP TRAY DIGITAL VIDEO CONVERTER
IC409	0IMMRHY033A	IC, HY57V643220C(L)T-6 HYNIX 86P TSOP
IC501	0IMI623200B	IC, 16P SOP TP I/O EXPANDER CN-29Q3
IC501	0IMCROT001A	IC, LTD 352BALL TRAY D-DISPLAY CON. CHIP
IC502	0IMMRHY033A	IC, 86P TSOP TRAY 64M FLASH MEMORY
IC503	0IMMRHY033A	IC, 86P TSOP TRAY 64M FLASH MEMORY
IC504	0IMMRHY033A	IC, 86P TSOP TRAY 64M FLASH MEMORY
IC601	0IMCRMN011D	IC, MSP3410G QA B8 V3 MICRONAS 80P QFP TRAY SOUND
IC601	0IS5160000A	IC, SII160 100 TQFP ST PANELLINK DIGITAL TRANSMITTER
IC602	0IKE704200J	IC, KIA7042AF SOT-89 TP 4.2V VOLTAGE DETECTOR
IC603	0IMCRFA009A	IC, KA78M08RTM, FAIRCHILD 2P D-PAK, R/TP
IC604	0IMCRFA015A	IC, KA7805R FAIRCHILD 2P D-PAK R/TP 500MA
IC701	0IMCRRS001A	IC, 100P PQFP TRAY 16BIT MICRO CONTROLLER
IC702	0IMCRFA015A	IC, KA7805R FAIRCHILD 2P D-PAK R/TP 500MA
IC702	0IMMRSS064A	IC, K6R4016V1D-TC10 44P TSOP2-400BF R/TP 4M(256K*16)
IC703	0IMMRMR006B	IC, 48P TSOP R/TP 16M FLASH MEMORY
IC704	0IMCRFA015A	IC, K 2P D-PAK R/TP 500MA REGULATOR IC
IC704	0IMMRAL025A	IC, AT24C32AN-10SI-2.7 ATMEL 8PIN SOP TP 32K 3.3V
IC706	0IMCRTI003A	IC, 16P R/TP QUADRUPLE
IC741	0IMCRFA013A	IC, 74LCX244MTC FAIRCHILD 20P TSSOP R/TP
IC742	0IMCRFA013A	IC, 74LCX244MTC FAIRCHILD 20P TSSOP R/TP

LOCA. NO	PART NO	DESCRIPTION
IC743	0ITI745740M	IC, 14P,SOP TP D-TYPE EDGE TRIGGER FLIP FLOP
IC744	0IMCRPH017A	IC, 20P SOT360-1 R/TP D-TYPE FLIP-FLOP
IC745	0IPH740800L	IC, 74LVT08D 14SOP R/TP LOW VOLTAGE AND DI-32Q82
IC746	0IMCRPH015A	IC, 14P SOT108-1 R/TP QUAD 2-IN OR GATE
IC747	0IMCRPH016A	IC, 16P SOT109-1 R/TP DUAL 2TO4
IC748	0IMCRPH014A	IC, 74LV132D PHILIPS 14P SOT108-1 R/TP QUAD 2-IN NAND
IC749	0IKE702700D	IC, KIA7027AF 3, SOT-89 TP RESET IC 2.7V
IC750	0IDS232000A	IC, DS232AS 16P,SOP TP RS-232 DRIVER/RECEIVER
IC751	0IPH858400A	IC, PCF8584T 20P,SOP TP IIC BUS CONTROLLER
IC801	0IMCRSG003A	IC, L4973D5.1 20P SOP R/TP 5.1V REGULATOR
IC802	0IMCRSG003A	IC, L4973D5.1 20P SOP R/TP 5.1V REGULATOR
IC802	0ISA428200A	IC, LA4282 12S 2CHX10W AUDIO AMP
IC850	0IMCRSJ001A	IC, SC1565IST-1.8 SEMTECH 3P SOT223 TP REGULATOR
IC852	0IMCRFA010A	IC, KA7809R, FAIRCHILD 2P D-PAK, R/TP REGULATOR IC
IC853	0IMCRRH001A	IC, BA033FP ROHM 3P-SOP,TO252-3 R/TP 3.3V REGULATOR
IC857	0IMCRRH001A	IC, BA033FP ROHM 3P-SOP,TO252-3 R/TP 3.3V REGULATOR
IC858	0IMCRSH001A	IC, PQ05DZ1U SHARP 5, SMD TYPE R/TP REGULATOR
IC859	0IMCRSH001A	IC, PQ05DZ1U SHARP 5, SMD TYPE R/TP REGULATOR
IC901	0IMCRMN014A	IC, MSP3440G QA B8 V3 MICRONAS 80 QFP TRAY SOUND IC
IC902	0IKE780800J	IC, KIA7808API 3 ST REGULATOR .
IC903	0IMCRSH001A	IC, PQ05DZ1U SHARP 5, SMD TYPE R/TP REGULATOR
IC904	0IKE704200J	IC, KIA7042AF SOT-89 TP 4.2V VOLTAGE DETECTOR
IC915	0IMCRTI001A	IC, SN74HCT157D TEXAS INSTRUMENT 16P R/TP RL-JA10
IC917	0IFA742530B	IC, 74ACT253SC 16P-SOIC, JEDEC MS-012 R/TP IC
	DIODE	
D001	0DD184009AA	DIODE, KDS184S CHIP 85V 300MA KEC TP
D001	0DL200000CA	LED, SAM5670(DL-2LRG) BK Y-GREEN -
D001	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D002	0DD184009AA	DIODE, KDS184S CHIP 85V 300MA KEC TP
D002	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D003	0DD184009AA	DIODE, KDS184S CHIP 85V 300MA KEC TP
D003	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D004	0DD184009AA	DIODE, KDS184S CHIP 85V 300MA KEC TP
D004	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D005	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D006	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D006	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D006	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D010	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D011	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D011	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D012	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D013	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D100	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D101	0DD226239AA	DIODE, CHIP KDS226 SOT-23
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D101	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D102	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D102	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D102	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D103	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D105	0DD226239AA	DIODE, CHIP KDS226 SOT-23

LOCA. NO	PART NO	DESCRIPTION
D106	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D107	0DD184009AA	DIODE, KDS184S CHIP 85V 300MA KEC TP
D108	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D109	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D110	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D1101	0DD100009AC	DIODE, RU1V(1) TP SANKEN
D111	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D112	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D113	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D114	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D115	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D117	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D118	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D406	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D407	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D408	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D409	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D411	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D413	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D414	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D415	0DZ510009BF	DIODE, GDZ5.1B TP GRANDE DO34 0.5W 5.1V 0.02A
D450	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D451	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D501	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D502	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D513	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D514	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D601	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D602	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D706	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D707	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D708	0DD184009AA	DIODE, KDS184S CHIP 85V 300MA KEC TP
D709	0DD184009AA	DIODE, KDS184S CHIP 85V 300MA KEC TP
D801	0DR190309AA	DIODE, MBRS190T3 TP 90V 1A 50A 10NSEC 1MA
D803	0DR190309AA	DIODE, MBRS190T3 TP 90V 1A 50A 10NSEC 1MA
D804	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D854	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D855	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D857	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D870	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D872	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D873	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D880	0DL233309AC	LED, GREEN/RED GREEN:10MCD, RED:6MCD
D881	0DL233309AC	LED, GREEN/RED GREEN:10MCD, RED:6MCD
D882	0DL233309AC	LED, GREEN/RED GREEN:10MCD, RED:6MCD
D883	0DL233309AC	LED, GREEN/RED GREEN:10MCD, RED:6MCD
DA105	0DD226239AA	DIODE, CHIP KDS226 SOT-23
LD740	0DL233309AC	LED, GREEN/RED GREEN:10MCD, RED:6MCD
LD741	0DL233309AC	LED, GREEN/RED GREEN:10MCD, RED:6MCD
LD742	0DL233309AC	LED, GREEN/RED GREEN:10MCD, RED:6MCD
LD743	0DL233309AC	LED, GREEN/RED GREEN:10MCD, RED:6MCD
ZD001	0DR050008AA	DIODE, SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD002	0DR050008AA	DIODE, SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD101	0DZ330009DF	DIODE, MTZJ33B TP ROHM-K DO34 0.5W 33V 5UA
ZD830	0DR050008AA	DIODE, SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD831	0DR050008AA	DIODE, SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD832	0DR050008AA	DIODE, SD05.TC R/TP SEMTECH SOD323 5V 5A 15A

TRANSISTOR

IC203	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
IC204	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
IC803	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q001	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q001	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q001	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q002	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q002	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q002	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q003	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q003	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q003	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q004	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q004	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q005	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q005	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q006	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q006	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q007	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q007	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q008	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q008	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q008	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q009	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q009	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q101	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q102	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q103	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q104	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q111	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q112	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q200	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q201	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q202	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q203	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q204	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q205	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q206	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q207	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q208	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q209	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q210	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q211	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q212	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q213	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
Q214	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q215	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q216	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q217	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q218	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q219	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q220	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q221	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q230	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q231	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q232	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q233	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q270	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q271	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q272	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q401	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q403	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q404	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q404	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q404	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q405	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q406	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q407	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q408	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q409	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q410	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q411	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q474	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q475	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q476	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q477	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q478	0TR104009AF	TR, CHIP KRC104S SOT-23 TP KEC
Q601	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q602	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q603	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q604	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q605	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q700	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q720	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q721	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q722	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q723	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q724	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q901	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q902	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q903	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q904	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q905	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q906	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q907	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q908	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q909	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC

LOCA. NO	PART NO	DESCRIPTION
CAPACITOR		
C001	0CE476DF618	47UF STD 16V M FL TP5
C002	0CE476DF618	47UF STD 16V M FL TP5
C003	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C005	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C006	0CE476DF618	47UF STD 16V M FL TP5
C006	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C007	0CE476DF618	47UF STD 16V M FL TP5
C007	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C008	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C009	0CE105BK618	1UF KME 50V M FL TP5
C010	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C012	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C013	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C014	0CE476DF618	47UF STD 16V M FL TP5
C014	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C014	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C015	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C015	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C017	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C018	0CE474SK6DC	0.47UF MVG 50V M SMD R/TP
C019	0CE474SK6DC	0.47UF MVG 50V M SMD R/TP
C019	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C020	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C020	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C021	0CE107DF618	100UF STD 16V M FL TP5
C021	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C022	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C022	0CE474SK6DC	0.47UF MVG 50V M SMD R/TP
C023	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C023	0CE474SK6DC	0.47UF MVG 50V M SMD R/TP
C024	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C024	0CE474SK6DC	0.47UF MVG 50V M SMD R/TP
C025	0CE476DF618	47UF STD 16V M FL TP5
C025	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C025	0CE474SK6DC	0.47UF MVG 50V M SMD R/TP
C026	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C027	0CE476DF618	47UF STD 16V M FL TP5
C029	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C030	0CE476DF618	47UF STD 16V M FL TP5
C030	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C030	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C031	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C033	0CE107DF618	100UF STD 16V M FL TP5
C034	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C035	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C038	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C039	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C040	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C041	0CE477DK618	470UF STD 50V 20% FL TP 5
C042	0CE476SF6DC	47UF MVG 16V M SMD R/TP

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyestor CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C042	0CE477DK618	470UF STD 50V 20% FL TP 5
C043	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C044	0CE107DH618	100UF STD 25V M FL TP5
C045	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C045	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C046	0CQ1521N509	0.0015U 100V K POLY TP
C047	0CE107DH618	100UF STD 25V M FL TP5
C047	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C048	0CQ1521N509	0.0015U 100V K POLY TP
C050	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C053	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C056	0CE107DH618	100UF STD 25V M FL TP5
C057	0CQ1041N509	0.1U 100V K POLY TP
C058	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C059	0CQ1041N509	0.1U 100V K POLY TP
C090	0CE474SK6DC	0.47UF MVG 50V M SMD R/TP
C091	0CE474SK6DC	0.47UF MVG 50V M SMD R/TP
C092	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C101	0CE4756F618	4.7UF SMS,SG 16V 20% FL TP 5
C105	0CE107DF618	100UF STD 16V M FL TP5
C106	0CE106DK618	10UF STD 50V M FL TP5
C107	0CE107DF618	100UF STD 16V M FL TP5
C109	0CE476DF618	47UF STD 16V M FL TP5
C109	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C110	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C1102	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1106	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C1107	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C1108	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C111	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C112	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C113	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C114	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C117	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C119	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C121	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C123	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C126	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C127	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C211	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C216	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C221	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C273	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C277	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C292	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C294	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C295	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C300	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C310	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C312	0CN105EJ56A	1.0UF 3216 35V 10% R/TP X7R
C313	0CE476DF618	47UF STD 16V M FL TP5
C314	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD

LOCA. NO	PART NO	DESCRIPTION
C387	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C388	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C389	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C390	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C396	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C401	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C402	0CE106DK618	10UF STD 50V M FL TP5
C408	0CE477DF618	470UF STD 16V 20% FL TP 5
C412	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C415	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C416	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C417	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C419	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C433	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C434	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C436	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C437	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C438	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C442	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C443	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C444	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C446	0CE106DF618	10UF STD 16V M FL TP5
C447	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C450	0CE227DF618	220UF STD 16V M FL TP5
C452	0CE227DF618	220UF STD 16V M FL TP5
C453	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C456	0CE227DF618	220UF STD 16V M FL TP5
C456	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C479	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C485	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C488	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C489	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C491	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C494	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C501	0CE107DF618	100UF STD 16V M FL TP5
C502	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C503	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C504	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C510	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C523	0CN105EJ56A	1.0UF 3216 35V 10% R/TP X7R
C524	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C532	0CE227DF618	220UF STD 16V M FL TP5
C602	0CE107DF618	100UF STD 16V M FL TP5
C603	0CE107DF618	100UF STD 16V M FL TP5
C605	0CE106DF618	10UF STD 16V M FL TP5
C611	0CE107DF618	100UF STD 16V M FL TP5
C612	0CE107DF618	100UF STD 16V M FL TP5
C619	0CE107DF618	100UF STD 16V M FL TP5
C621	0CE107DF618	100UF STD 16V M FL TP5
C623	0CE106DF618	10UF STD 16V M FL TP5
C630	0CE106DF618	10UF STD 16V M FL TP5
C634	0CE107DF618	100UF STD 16V M FL TP5

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C639	0CE107DF618	100UF STD 16V M FL TP5
C671	0CE477DK618	470UF STD 50V 20% FL TP 5
C672	0CE477DK618	470UF STD 50V 20% FL TP 5
C673	0CE477DK618	470UF STD 50V 20% FL TP 5
C674	0CE477DK618	470UF STD 50V 20% FL TP 5
C675	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C676	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C710	0CE107DF618	100UF STD 16V M FL TP5
C714	0CE106DK618	10UF STD 50V M FL TP5
C724	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C758	0CE107DF618	100UF STD 16V M FL TP5
C759	0CE107DF618	100UF STD 16V M FL TP5
C760	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C765	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C766	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C769	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C772	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C785	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C787	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C788	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C789	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C791	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C793	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C801	0CE107DF618	100UF STD 16V M FL TP5
C804	0CE477DF618	470UF STD 16V 20% FL TP 5
C805	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C806	0CE477DF618	470UF STD 16V 20% FL TP 5
C808	0CE107DF618	100UF STD 16V M FL TP5
C810	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C813	0CE106DF618	10UF STD 16V M FL TP5
C816	0CE477DF618	470UF STD 16V 20% FL TP 5
C817	0CE107DF618	100UF STD 16V M FL TP5
C820	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C821	0CE477DF618	470UF STD 16V 20% FL TP 5
C824	0CE477DF618	470UF STD 16V 20% FL TP 5
C824	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C826	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C828	0CE477DF618	470UF STD 16V 20% FL TP 5
C828	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C831	0CE106DF618	10UF STD 16V M FL TP5
C833	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C834	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C835	0CE107DF618	100UF STD 16V M FL TP5
C839	0CN105EJ56A	1.0UF 3216 35V 10% R/TP X7R
C881	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C884	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C887	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C890	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C893	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C912	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C913	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C914	0CE107SF6DC	100UF MVG 16V M SMD R/TP

LOCA. NO	PART NO	DESCRIPTION
C915	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C949	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C951	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C964	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C965	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C966	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C967	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C968	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C969	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C971	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C973	0CE477VF6DC	470UF MV 16V 20% R/TP(SMD) SMD
C980	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C981	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C982	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C984	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C986	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C993	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C994	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C995	0CE476SF6DC	47UF MVG 16V M SMD R/TP
COIL & INDUCTOR		
L001	0LC1032101A	INDUCTOR, 10UH 10% 3216 R/TC FI-C3216-103KJT
L200	0LC0233002A	INDUCTOR, 3.3UH CERATECH R/TP
L400	0LC0233002A	INDUCTOR, 3.3UH CERATECH R/TP
L400	0LC1032101A	INDUCTOR,CHIP 10UH 10% 3216 R/TC FI-C3216-103KJT
L401	0LC0233002A	INDUCTOR, 3.3UH CERATECH R/TP
L401	0LC1032101A	INDUCTOR,10UH 10% 3216 R/TC FI-C3216-103KJT
L402	0LC0233002A	INDUCTOR, 3.3UH CERATECH R/TP
L402	0LC1032101A	INDUCTOR, 10UH 10% 3216 R/TC FI-C3216-103KJT
L403	0LC0233002A	INDUCTOR, 3.3UH CERATECH R/TP
L403	0LC1032101A	INDUCTOR,10UH 10% 3216 R/TC FI-C3216-103KJT
L404	0LC0233002A	INDUCTOR, 3.3UH CERATECH R/TP
L404	0LC1032101A	INDUCTOR,10UH 10% 3216 R/TC FI-C3216-103KJT
L405	0LC0233002A	INDUCTOR, 3.3UH CERATECH R/TP
L406	0LC0233002A	INDUCTOR, 3.3UH CERATECH R/TP
L470	0LC0233002A	INDUCTOR, 3.3UH CERATECH R/TP
L471	0LC0233002A	INDUCTOR, 3.3UH CERATECH R/TP
L472	0LC0233002A	INDUCTOR, 3.3UH CERATECH R/TP
L473	0LC0233002A	INDUCTOR, 3.3UH CERATECH R/TP
L474	0LC0233002A	INDUCTOR, 3.3UH CERATECH R/TP
L801	6140VR0001C	COIL,ENERGY RECOVERY SB1260-470 GET 47UH
L802	6140VR0001C	COIL,ENERGY RECOVERY SB1260-470 GET 47UH
L803	6140VR0001C	COIL,ENERGY RECOVERY SB1260-470 GET 47UH
L870	6140VB0004B	COIL,CHOKE 26UH 1UEWPHY 22.5TURN YL-9N 0.4
L886	6140VB0004B	COIL,CHOKE 26UH 1UEWPHY 22.5TURN YL-9N 0.4
T801	6170VMCA57A	TRANSFORMER,]EPC1716 650UH +-15%, DC-DC CON
JACK		
JP1	6612VLH002A	JACK, SP026B PARK ELEC 4P RD/BK/BK/RD
P002	6612VAH001A	JACK, DC (7) BK LN-15A1(NF-99LA)
P101	6612JH003CA	JACK, PPJ137A PARK ELEC. AUDIO L-MONO JACK
P102	380-068E	JACK, UEJ-CV-018 UGCOM D3.5 E/P JACK W/SHIELD

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LOCA. NO	PART NO	DESCRIPTION
P102	6612J00010A	JACK, A/V 2P MONO GN-BL-RD W/O S/W COMPONENT
P103	380-363K	JACK, H=8.0 W/O S/W,W/SHIELD,W/O BOSS
P103	6612BBBHN6A	JACK, 440062-1 AMP DVI INTERACED RIGHT ANGLE
P104	6612VMV002A	JACK, UCT-EX-020 UGCOM BNC MONO
P104	6612J00010B	JACK, PPJ128A-2 PARKELEC A/V 3P WITH S/W RD-WH-YL
P105	6612JH003CA	JACK, PPJ137A PARK ELEC. AUDIO L-MONO JACK
P105	6612J00010B	JACK, PPJ128A-2 PARKELEC A/V 3P WITH S/W RD-WH-YL
P106	380-068E	JACK, UEJ-CV-018 UGCOM D3.5 E/P JACK W/SHIELD
CONNECTOR		
P001	6630V601236	CONNECTOR, MDR-36 FEMALE UNIXTAR 36PIN 2.54MM
P001A	366-921J	CONNECTOR, 2.5MM 10P GIL-G LG CABLE .
P001B	366-921J	CONNECTOR, 2.5MM 10P GIL-G LG CABLE .
P002A	366-921K	CONNECTOR, 2.5MM 11P GIL-G LG CABLE .
P002B	366-921K	CONNECTOR, 2.5MM 11P GIL-G LG CABLE .
P005A	366-921L	CONNECTOR, 2.5MM 12P GIL-G LG CABLE .
P005B	366-921L	CONNECTOR, 2.5MM 12P GIL-G LG CABLE .
P006	366-921F	CONNECTOR, 2.5MM 7P GIL-G LG CABLE .
P007	366-921E	CONNECTOR, 2.5MM 6P GIL-G LG CABLE .
P036	6630V601236	CONNECTOR, MDR-36 FEMALE UNIXTAR 36PIN 2.54MM
P100A	6630VL01380	CONNECTOR, 2-557101-1 AMP 80P 2.54MM RECEPTACLE
P101	6630VGA001C	CONNECTOR, 15PIN 2.29MM ANGLE SN
P101A	6630VL04008	CONNECTOR, - AMP 8P 2.5MM 0-0171825-8
P102A	366-932C	CONNECTOR, 2.5MM 4P GIL-G LG CABLE S (STICK)
P104	6630VGA001C	CONNECTOR, 15PIN 2.29MM ANGLE SN
P109B	366-922E	CONNECTOR, 2.5MM 6P GIL-G LG CABLE R/A (B TO C)
P110B	366-921F	CONNECTOR, 2.5MM 7P GIL-G LG CABLE .
P111A	366-932D	CONNECTOR, 2.5MM 5P GIL-G LG CABLE S (STICK)
P600	6602T11001A	CONNECTOR, FI-TWE21P-VF JAE 21P 1.25MM S/T
P741	6630VGA004B	CONNECTOR, 9P 2.77MM FORK LOCK ANGLE GOLD
P800	6602V25009L	CONNECTOR, 2.5MM 12P 1-171825-2 AMP MN-42PZ10
P801	6602V25009F	CONNECTOR, 2.5MM 7P 0-171825-7 AMP MN-42PZ10
P801	6602V39003A	CONNECTOR, 3.96MM 3P 2-178496-1 AMP MN-42PZ10
P802	366-932B	CONNECTOR, 2.5MM 3P GIL-G LG CABLE S (STICK)
P802	6602V39003A	CONNECTOR, 3.96MM 3P 2-178496-1 AMP MN-42PZ10
P803	366-932B	CONNECTOR, 2.5MM 3P GIL-G LG CABLE S (STICK)
RESISTOR		
A692	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR260	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR261	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR262	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR263	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR264	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR265	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR266	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR267	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR268	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR269	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR270	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR271	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR330	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R

LOCA. NO	PART NO	DESCRIPTION
AR332	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR333	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR334	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR335	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR336	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR337	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR338	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR339	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR340	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR341	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR342	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR400	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR401	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR402	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR403	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR404	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR405	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR406	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR407	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR460	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR461	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR462	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR463	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR465	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR466	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR467	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR468	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR469	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR470	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR471	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR472	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR473	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR474	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR475	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR512	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR513	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR514	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR515	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR550	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR551	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR552	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR553	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR589	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR590	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR677	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR678	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR679	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR680	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR681	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR682	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR691	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR693	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R

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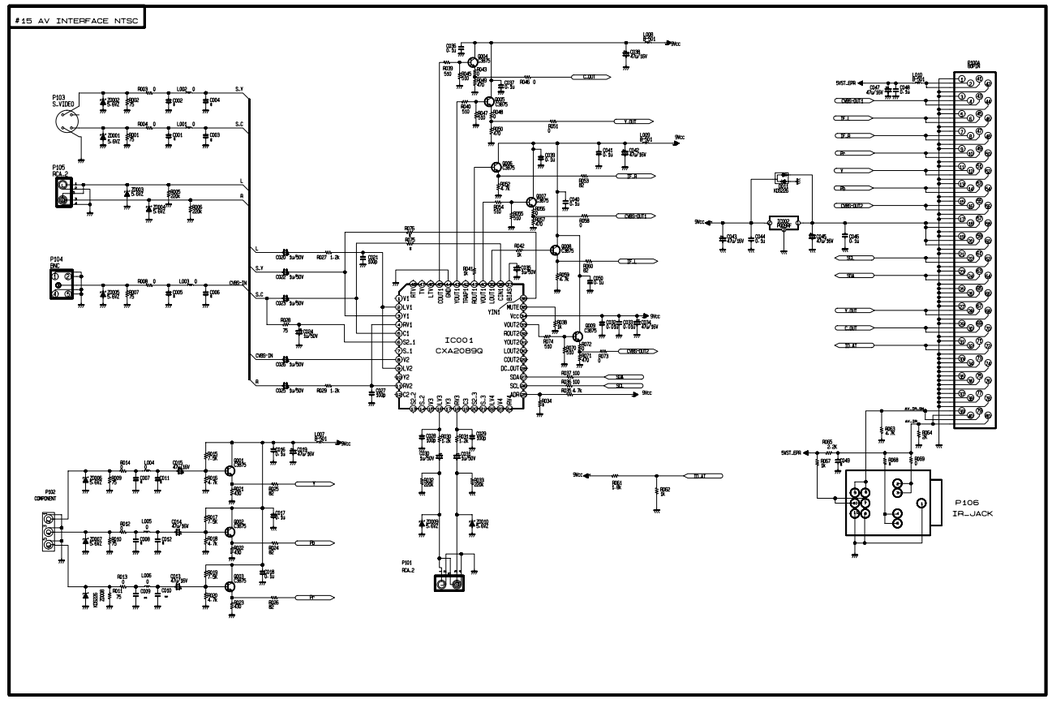
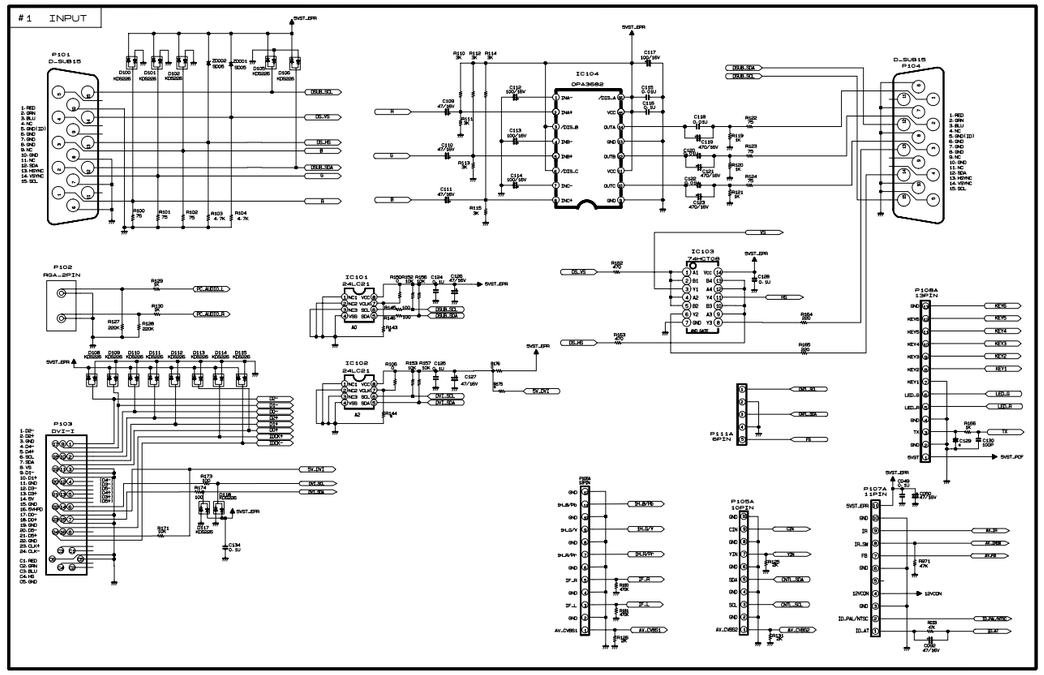
LOCA. NO	PART NO	DESCRIPTION
AR694	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR695	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
AR696	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES HN-61A40R
R020	0RS2701K607	2.7K OHM 2 W 5.00% TA62
R021	0RS2701K607	2.7K OHM 2 W 5.00% TA62
R030	0RS0221H609	2.2 OHM 1/2 W 5.00% TA52
R032	0RS0221H609	2.2 OHM 1/2 W 5.00% TA52
R1111	0RD0152H609	15 OHM 1/2 W 5.00% TA52
R655	0RD4700H609	470 OHM 1/2 W 5.00% TA52
R656	0RD4700H609	470 OHM 1/2 W 5.00% TA52
	SWITCH	
SW001	140-315A	SWITCH, TACT SKHV17910B LG C&D NON 12V
SW002	140-315A	SWITCH, TACT SKHV17910B LG C&D NON 12V
SW003	140-315A	SWITCH, TACT SKHV17910B LG C&D NON 12V
SW004	140-315A	SWITCH, TACT SKHV17910B LG C&D NON 12V
SW005	140-315A	SWITCH, TACT SKHV17910B LG C&D NON 12V
SW006	140-315A	SWITCH, TACT SKHV17910B LG C&D NON 12V
SW102	140-275A	SWITCH, 30V 0.3A HORIZONTAL 500G
SW741	140-313B	SWITCH, TACT 2LEAD 160G(TA) LG C&D NON
SW800	6600VM2006A	SWITCH, 250V 4A HORIZONTAL .G
	FILTER & CRYSTAL	
F601	6200VJS001A	FILTER, ZJY51R5-4P TDK DIP DC 50VOLT 2A
F602	6200VJS001B	FILTER, ZJYS51R5-2PL(T) TDK R/TP 50VOLT 2A
F603	6200VJS001B	FILTER, ZJYS51R5-2PL(T) TDK R/TP 50VOLT 2A
L001	6200JB8010L	FILTER, R/TP 1000OHM 350MA
L001	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L001	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L001	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L002	6200JB8010L	FILTER, R/TP 1000OHM 350MA
L002	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L003	6200JB8010L	FILTER, R/TP 1000OHM 350MA
L003	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L004	6200JB8010L	FILTER, R/TP 1000OHM 350MA
L004	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L005	6200JB8010L	FILTER, R/TP 1000OHM 350MA
L006	6200JB8010L	FILTER, R/TP 1000OHM 350MA
L007	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L008	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L009	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L010	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L010	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L101	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L102	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L201	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L205	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L270	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L271	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L272	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L273	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L274	6210VC0005A	FILTER, BK2125 HS 750 2X1.25X0.85MM R/TP

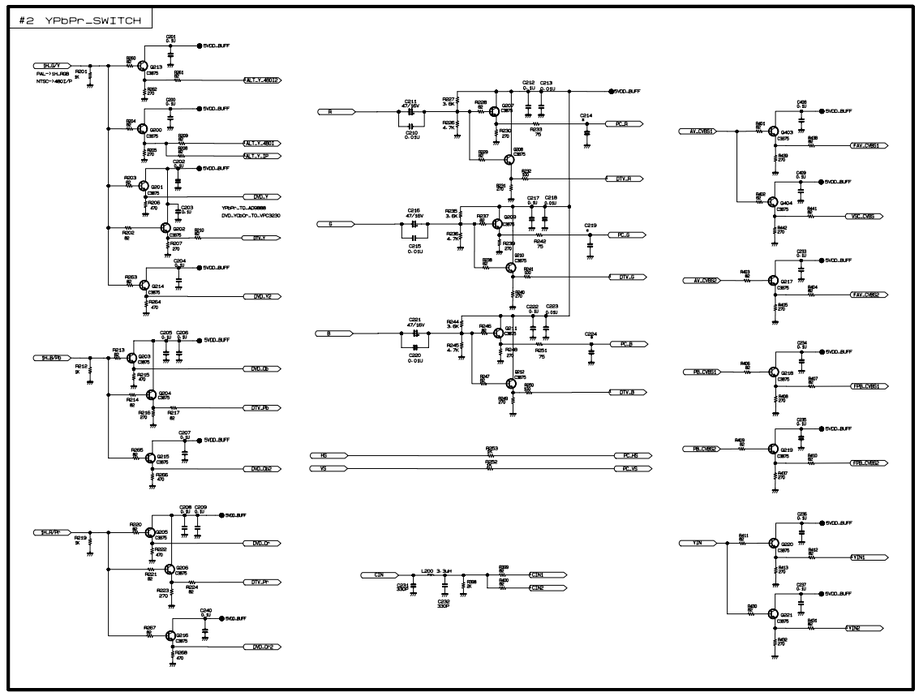
LOCA. NO	PART NO	DESCRIPTION
L275	6210VC0005A	FILTER, BK2125 HS 750 2X1.25X0.85MM R/TP
L276	6210VC0005A	FILTER, BK2125 HS 750 2X1.25X0.85MM R/TP
L405	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L501	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L601	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L602	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L603	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L604	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L701	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L708	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L872	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L873	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L874	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L875	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L876	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L877	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L878	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L879	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L881	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L882	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L883	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L884	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L887	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L888	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L889	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L890	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L891	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L892	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L900	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L901	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L901	6200JB8010U	FILTER, OR 14*7*7.5H SMC BK 6.0MH-11.0MH
L902	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L903	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L904	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L905	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L906	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L907	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L908	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L909	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L910	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L911	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L912	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L913	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L914	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L915	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L916	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L917	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L918	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L919	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L920	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L921	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L922	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP

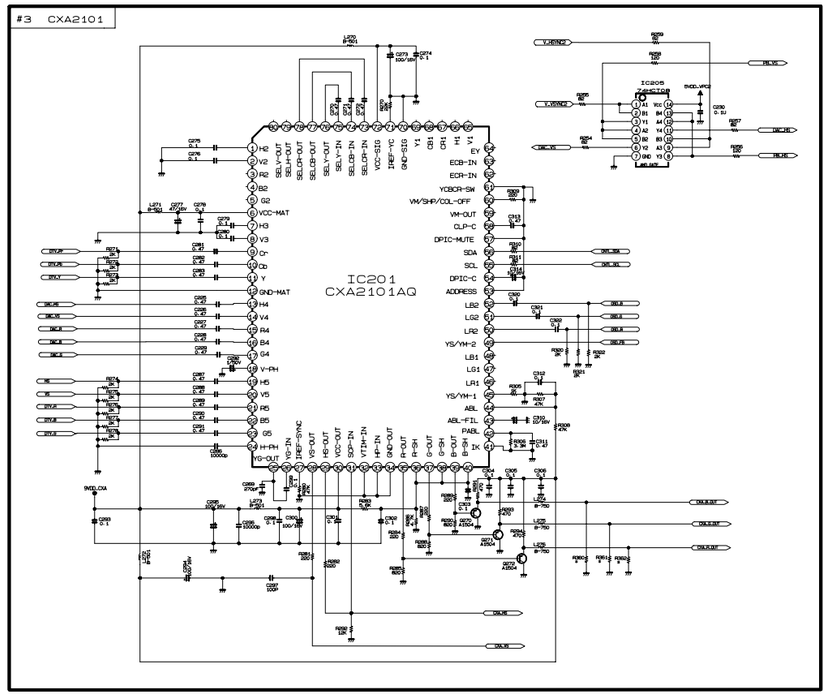
LOCA. NO	PART NO	DESCRIPTION
L923	6210VC0006A	FILTER, FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
LA101	150-F09A	FILTER, SQE2222 7-14MH 0.37PHY 48TURN TDA2616
X001	156-A01L	RESONATOR,CRYSTAL, 6.000MHZ 30PPM 16PF BK
X401	6202VDT002E	RESONATOR,CRYSTAL 20250000HZ 30PPM 16PF TP
X402	6202VDT002J	RESONATOR,CRYSTAL 13.500000MHZ +/- 50 PPM 14PF T/R
X470	6202VDT002E	RESONATOR,CRYSTAL 20250000HZ 30PPM 16PF TP
X501	6202VDT002J	RESONATOR,CRYSTAL 13.500000MHZ +/- 50 PPM 14PF T/R
X601	156-A02M	RESONATOR,CRYSTAL 18.432MHZ 30PPM 10PF BK
X601	6202VDT002H	RESONATOR,CRYSTAL SX-1 18.432000MHZ +/-30 PPM 16PF
X720	6212AB2015C	RESONATOR,CRYSTAL 25MHZ +/- 50 PPM 20PF T/R
ACCESSORIES		
A1	3828VA0388A	MANUAL,OWNERS RF03FA 42PZ44/46/45V/47V
A1	3828VA0388C	MANUAL,OWNERS RF03FA 42PZ44/45V/46/47V LG AR/EN
A1	3828VA0397E	MANUAL,OWNERSR F03FA RT-BA50 LG EN/RU/FR/AR
A1	3828VA0438A	MANUAL,OWNERSRF03FA PLASMA TV LG EN
A2	6710V00100A	REMOTE CONTROLLER, RF02LA STEREO NON PDP37
A3	6410VBH003C	POWER CORD, MP5004(13A)+V1625 BSI 2800MM
A3	6410VEH003C	POWER CORD, M2511A-001 VDE/SEMKO 2800MM
A3	6410VSH001D	POWER CORDM3203+V1625 SAA 2800MM
A3	6410VWH005C	POWER CORDSA16A+V1625 2800MM HOUSING IVORY
A4	6850F00001A	CABLE,D-SUB MDR-36 UL20276 210MM
MISCELLANEOUS		
P001	6726VV0006K	REMOTE CONTROLLER RECEIVER, TSOP4838
TU101	6700MF0003A	TUNER, TAFH-Z342D LG MULTI FS LT-15A15
X830	6204B47985D	OSCILLATOR, SCO-103 12MHZ +/-100PPM 3.3V T/R 15PF

LOCA. NO	PART NO	DESCRIPTION









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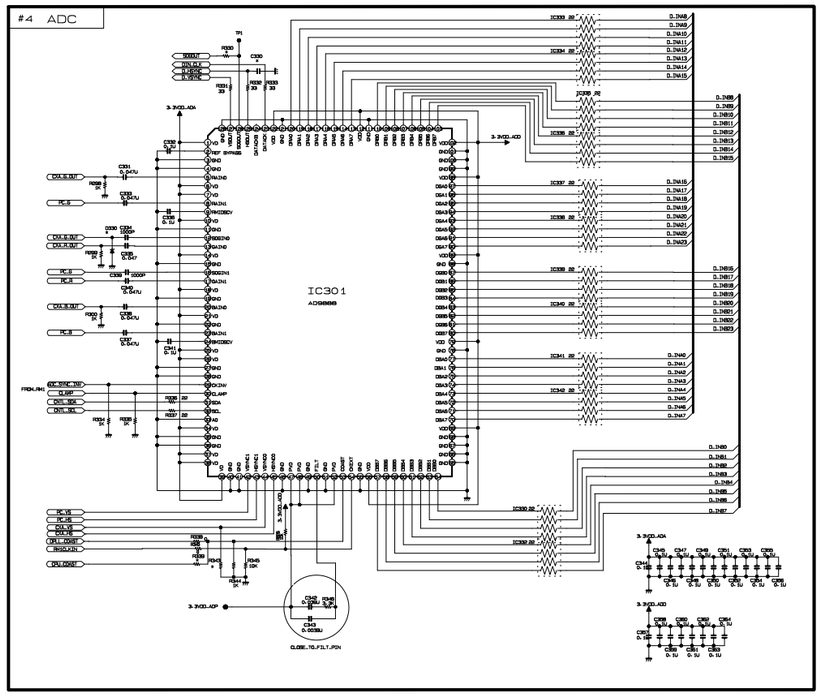

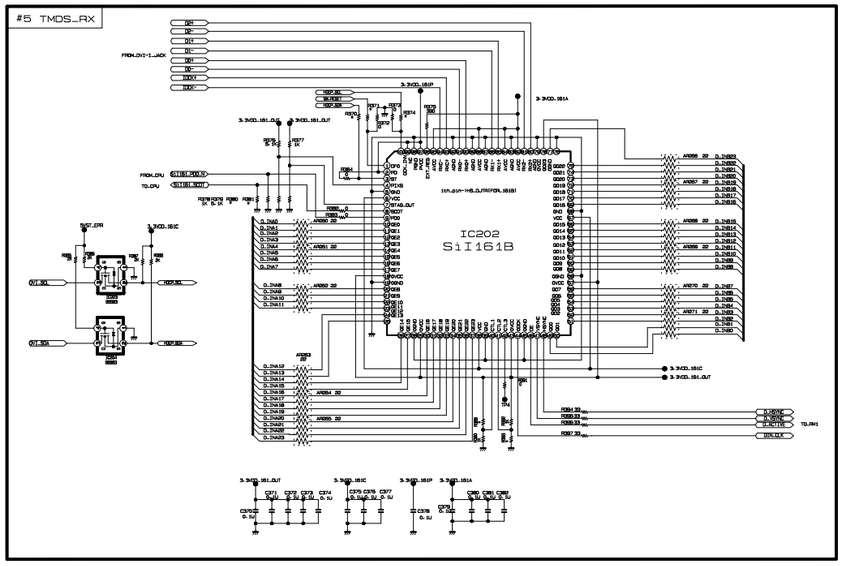

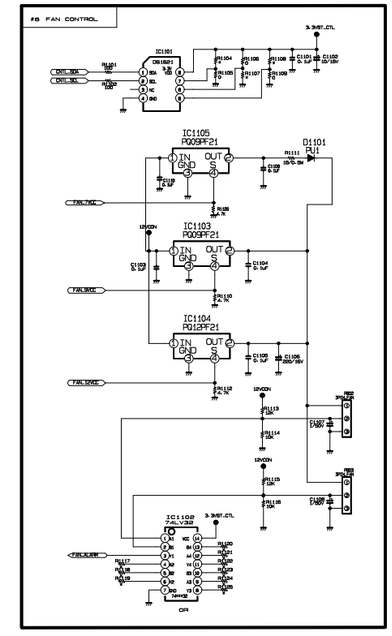

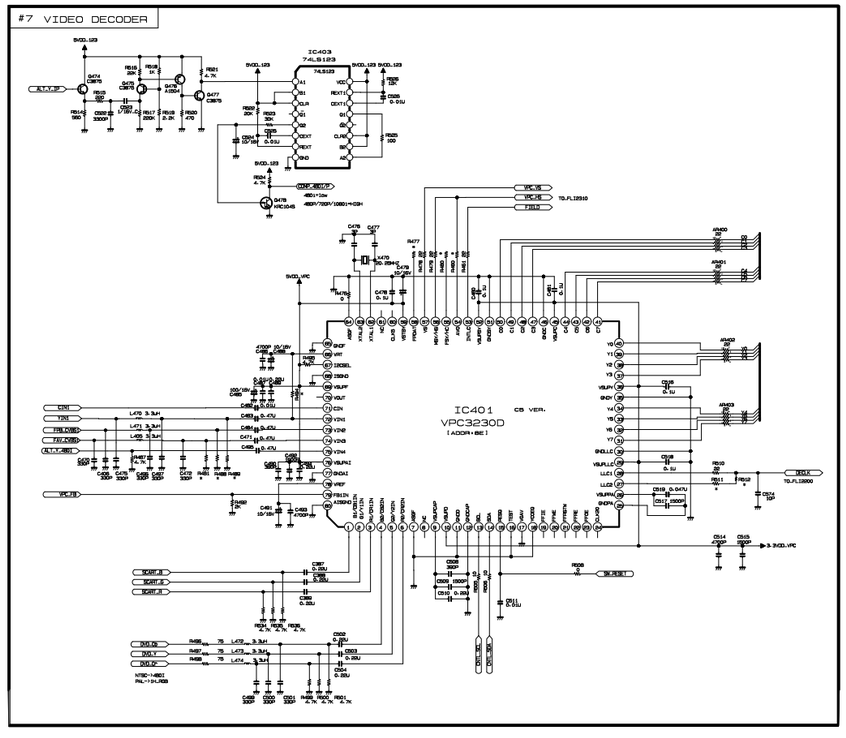

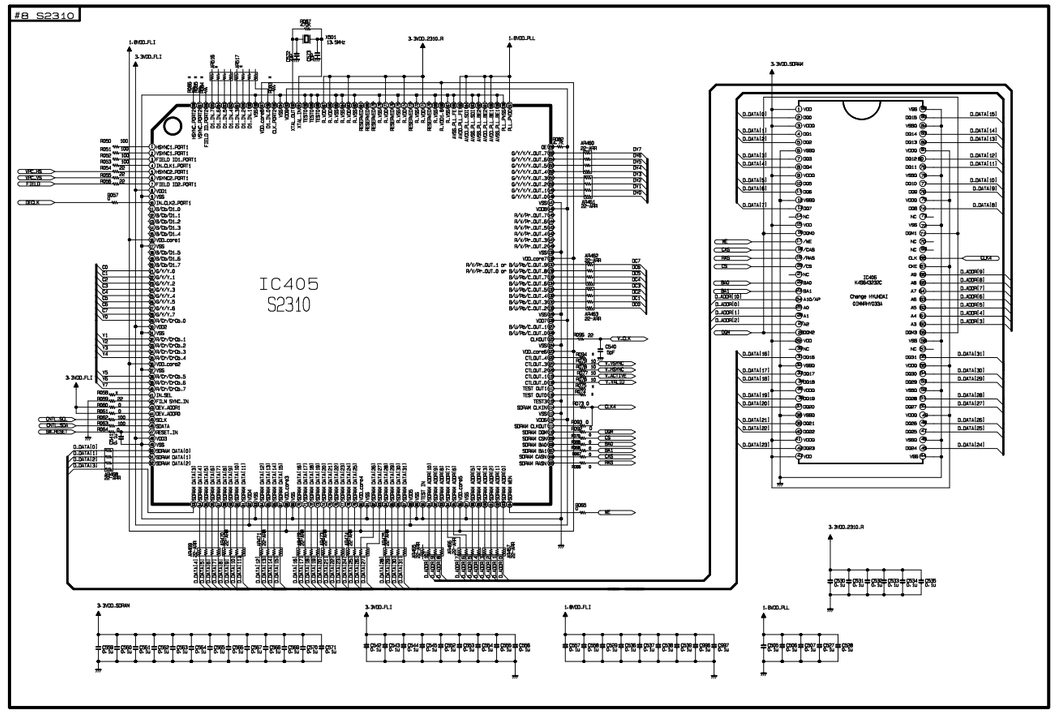

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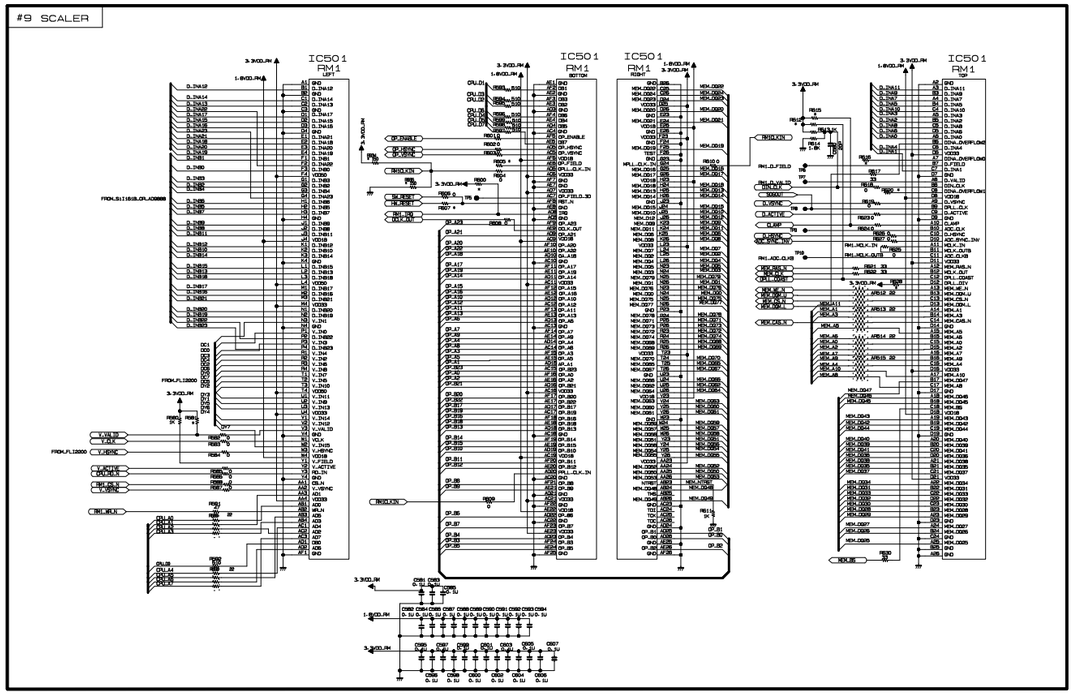

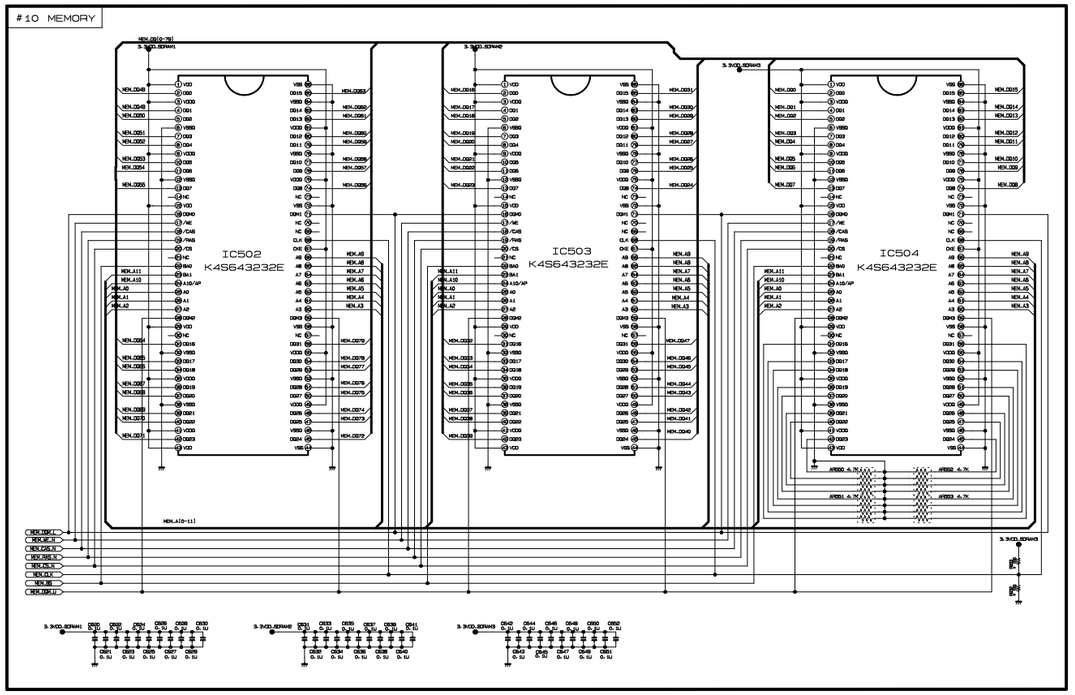

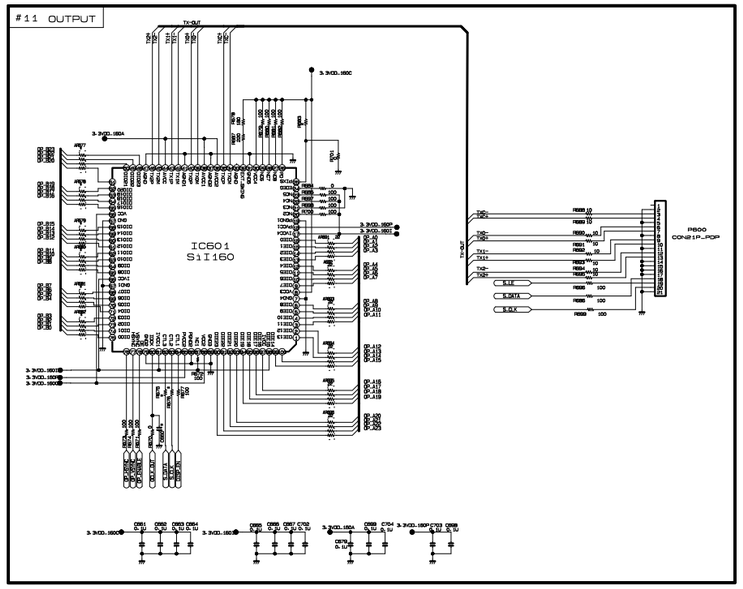

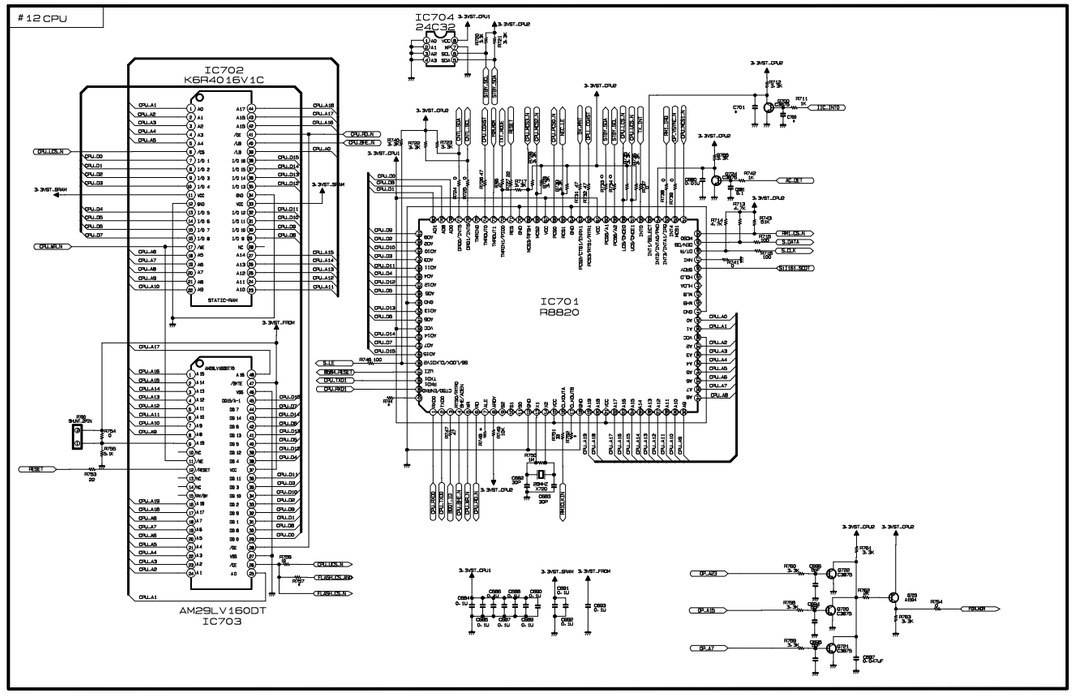

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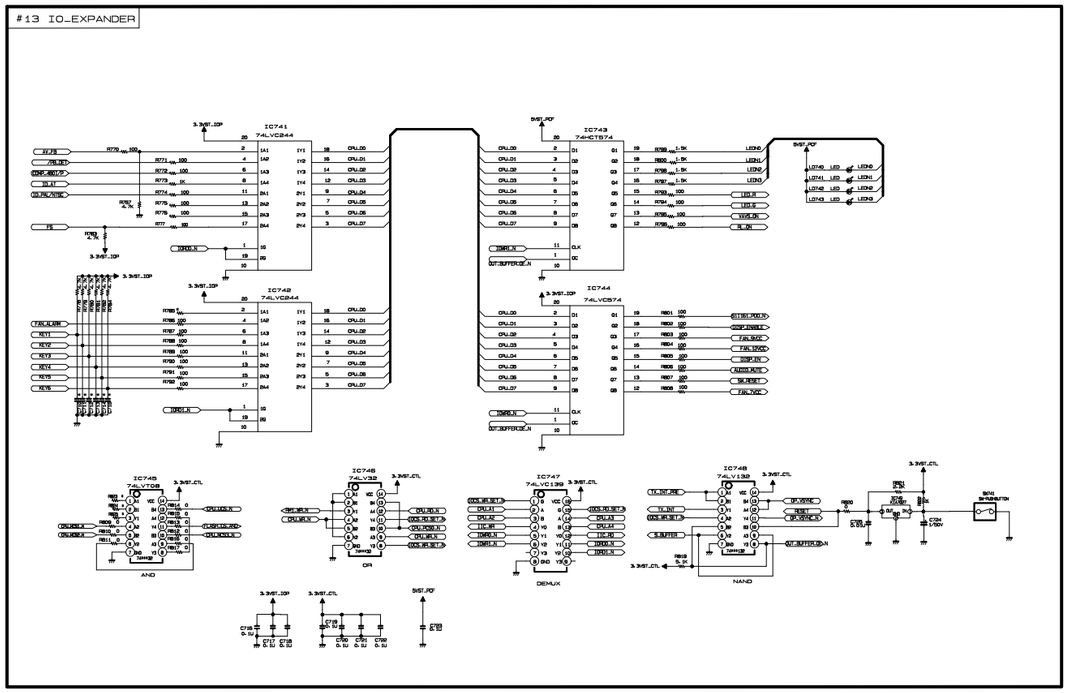
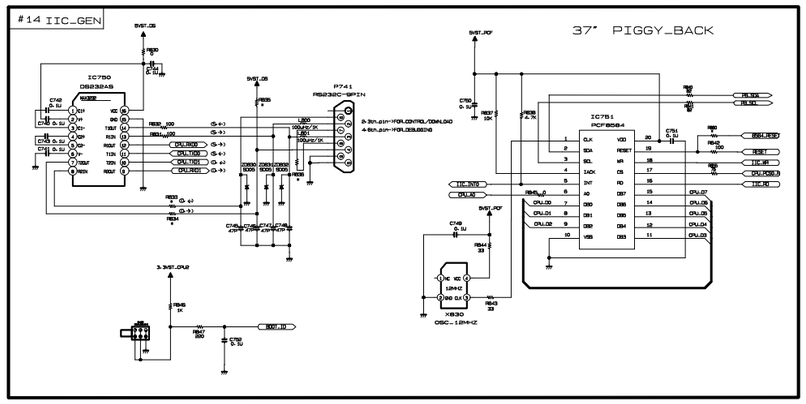
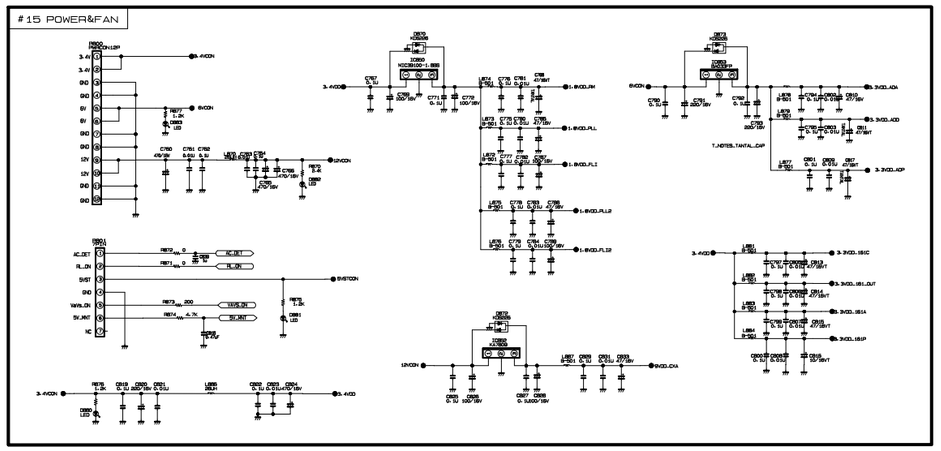
#13 IO_EXPANDER



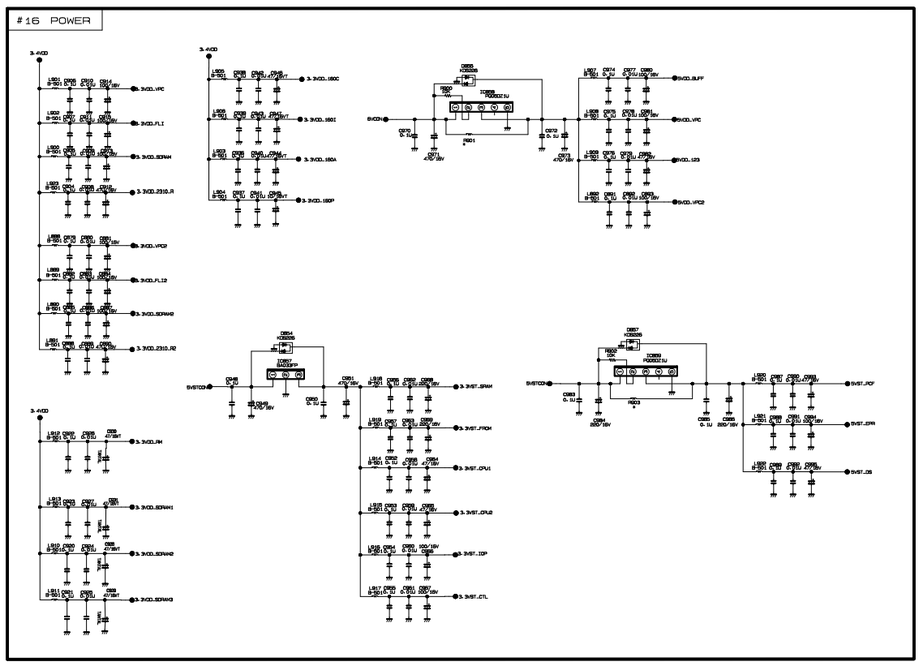
#14 IIC_GEN



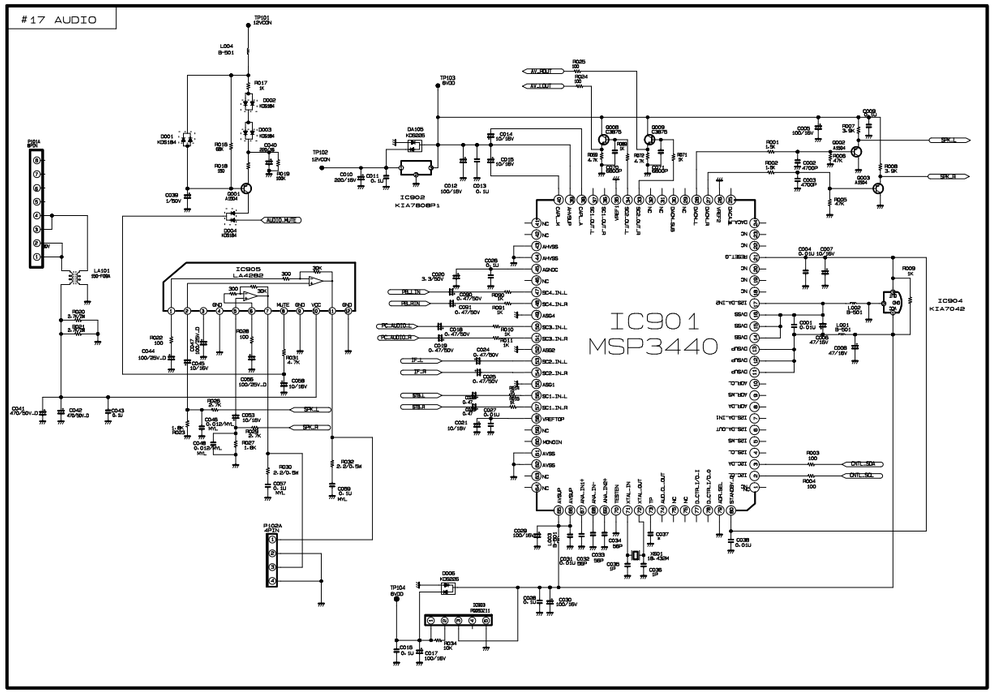
#15 POWER&FAN



#16 POWER



#17 AUDIO



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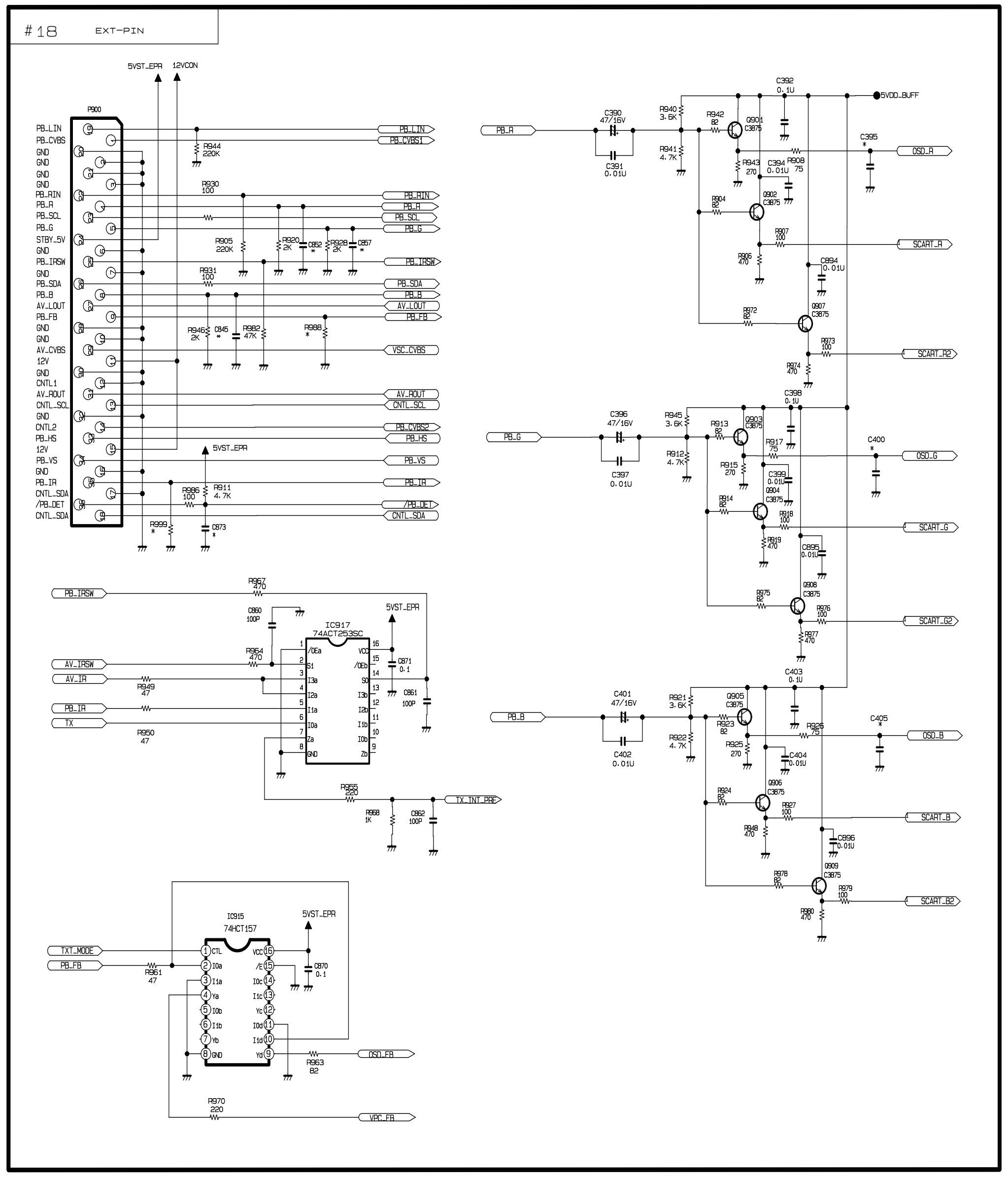

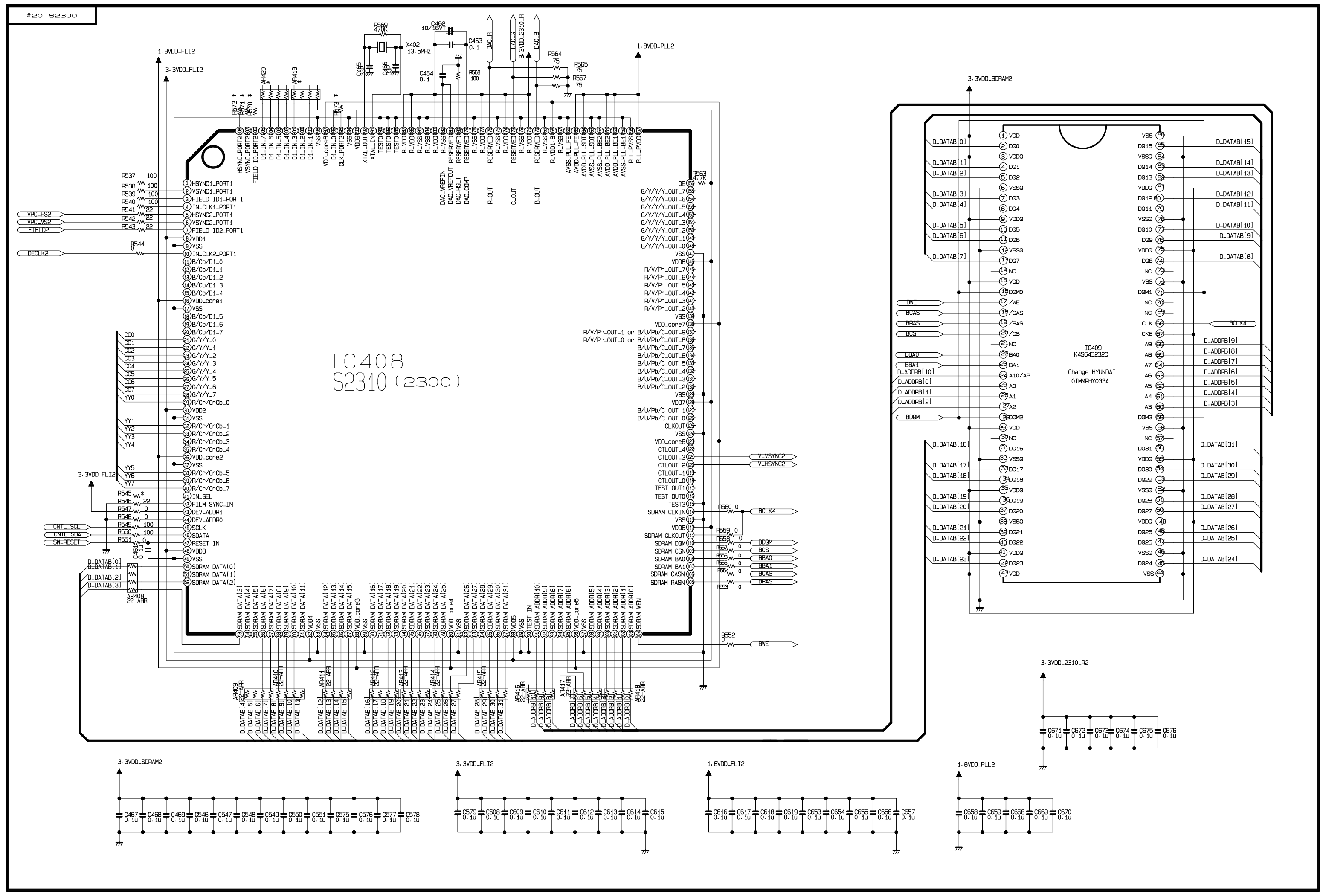

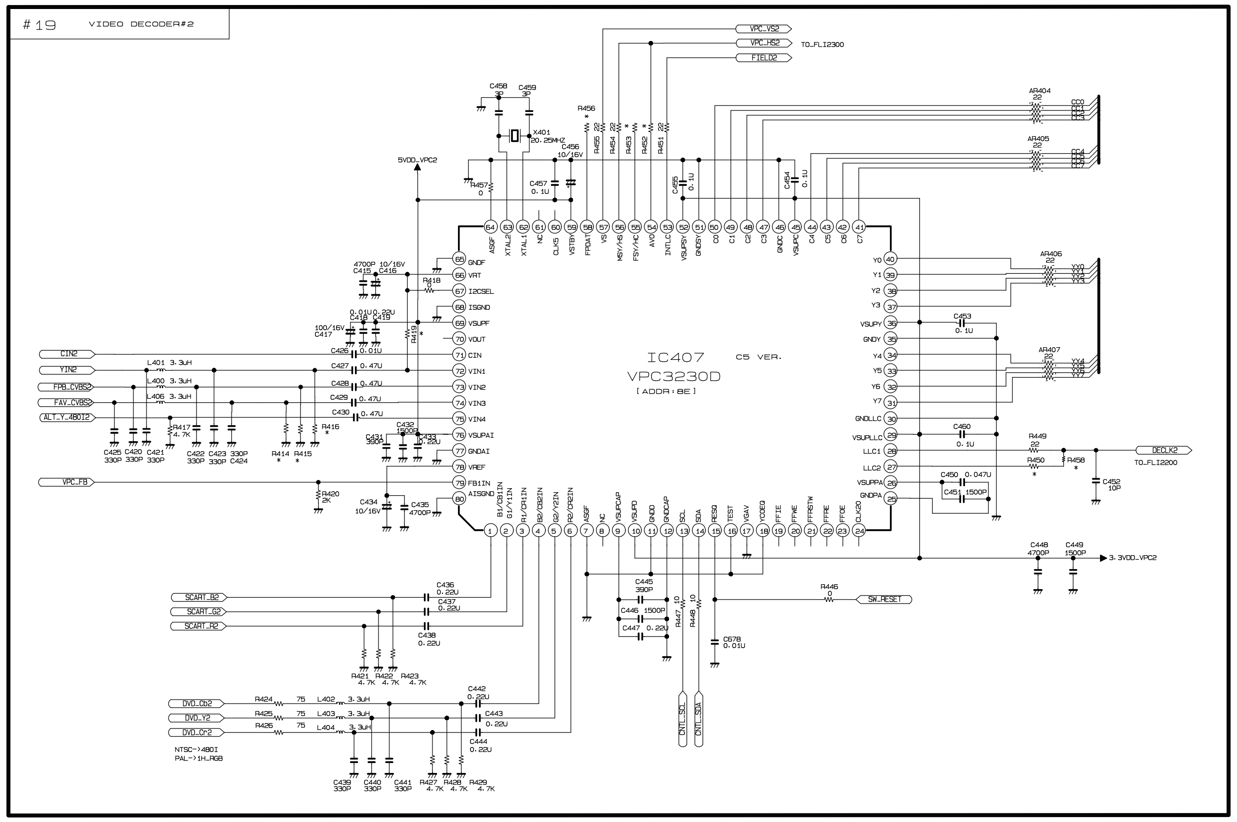

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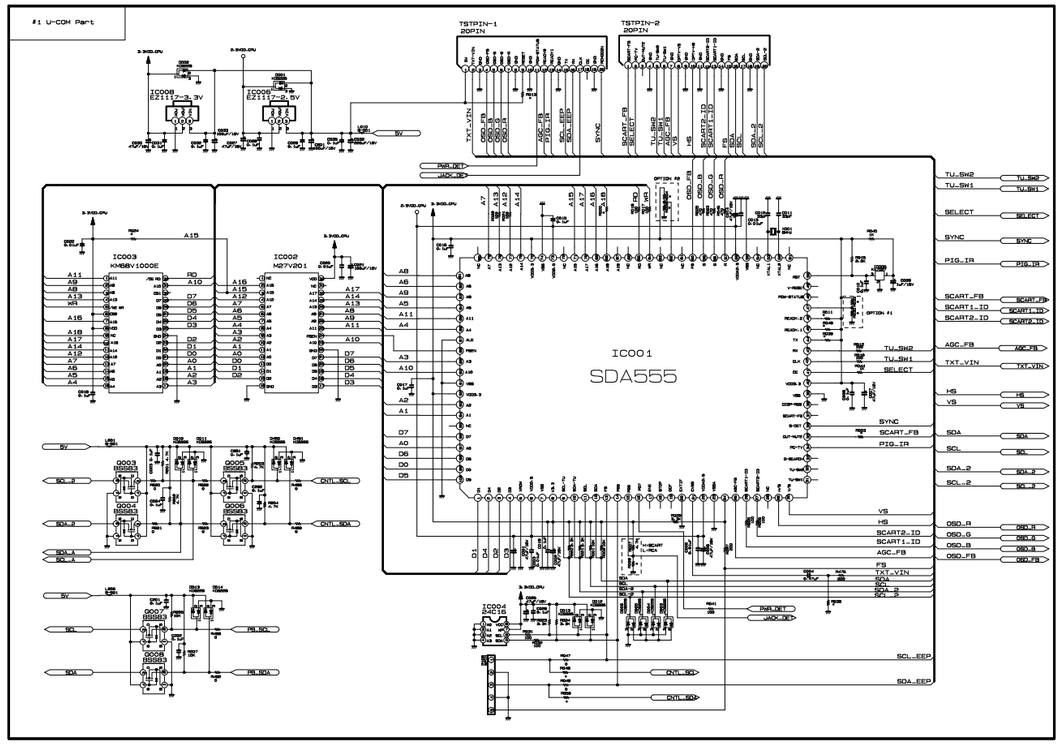
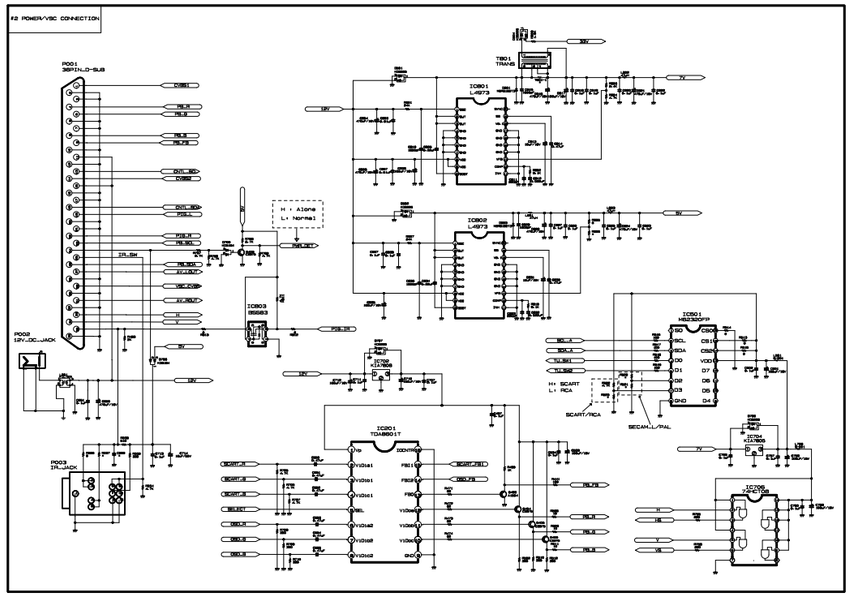
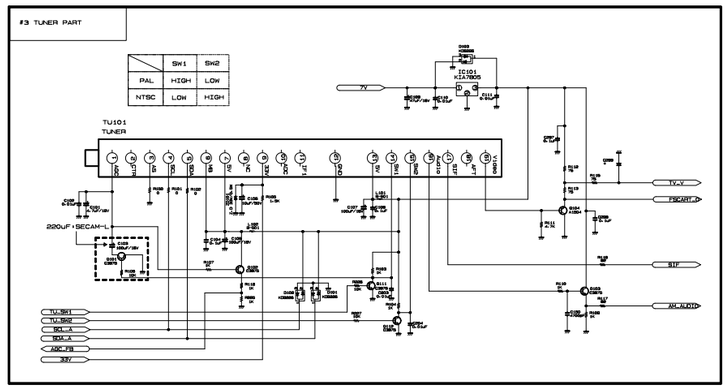
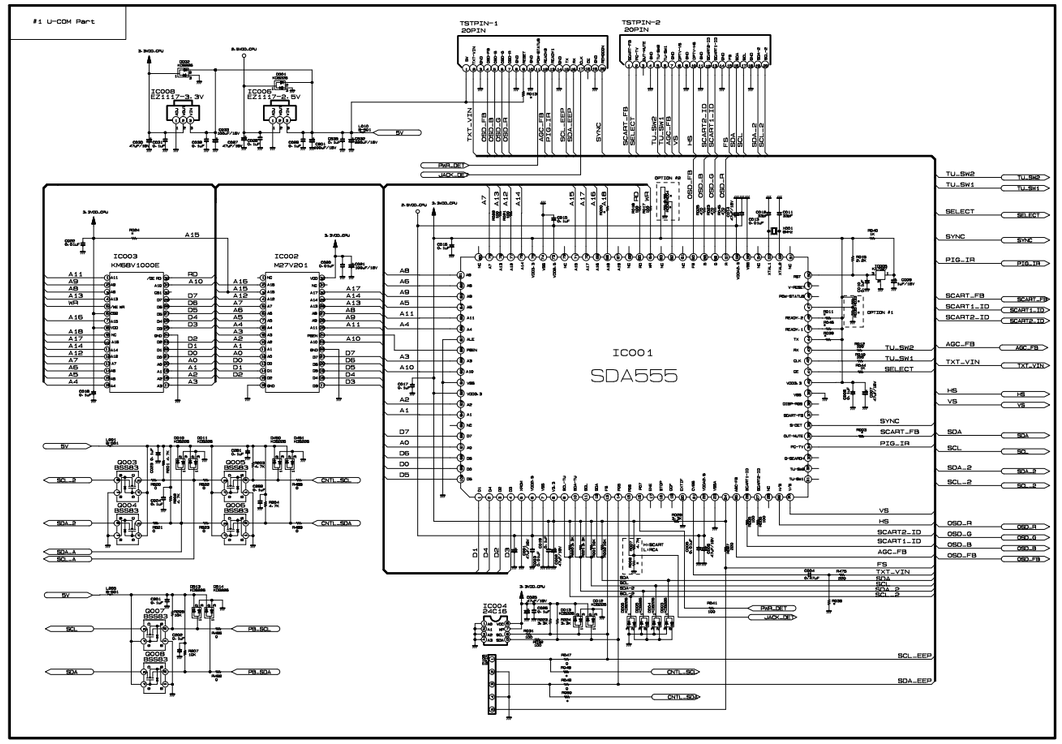
2003.6.21

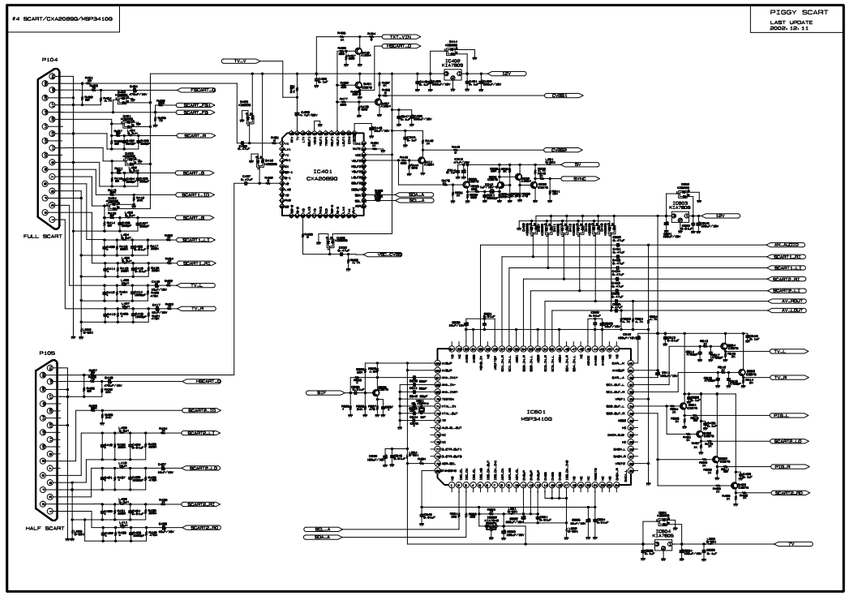
■ TUNER (RZ-BA50)











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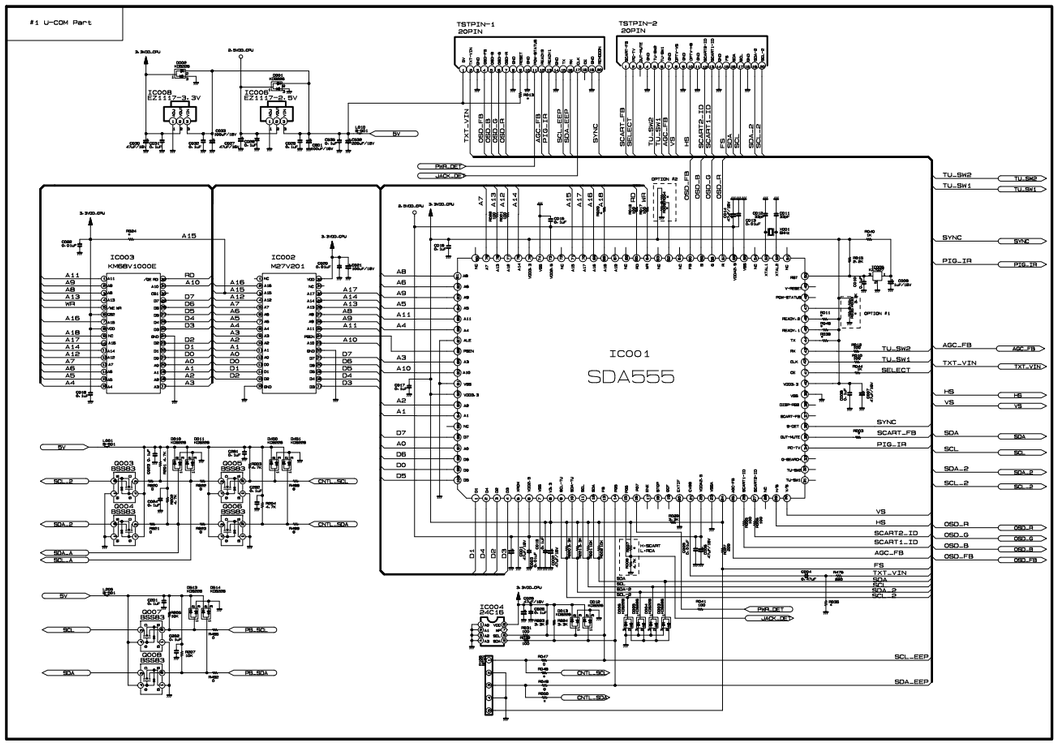
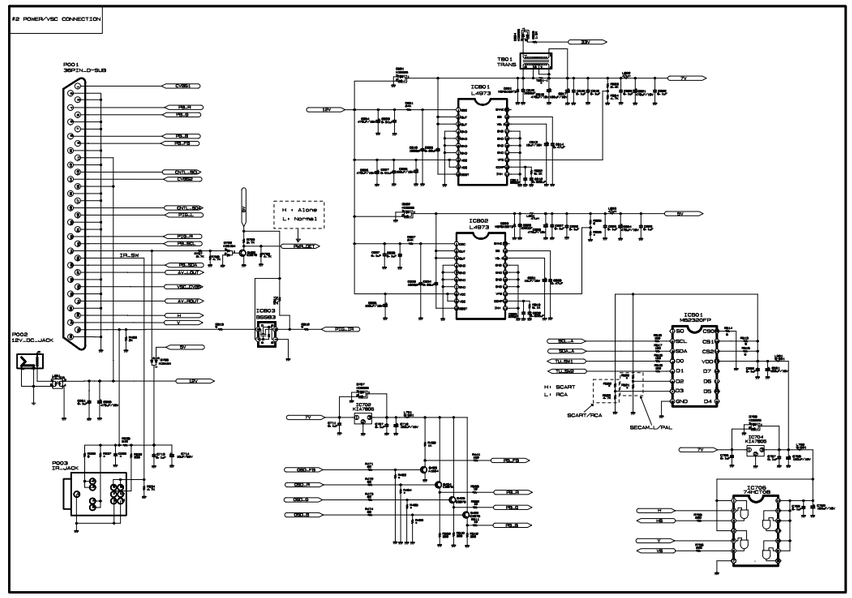
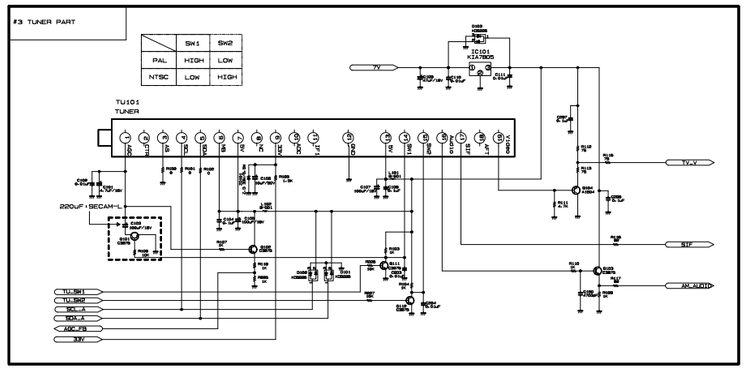
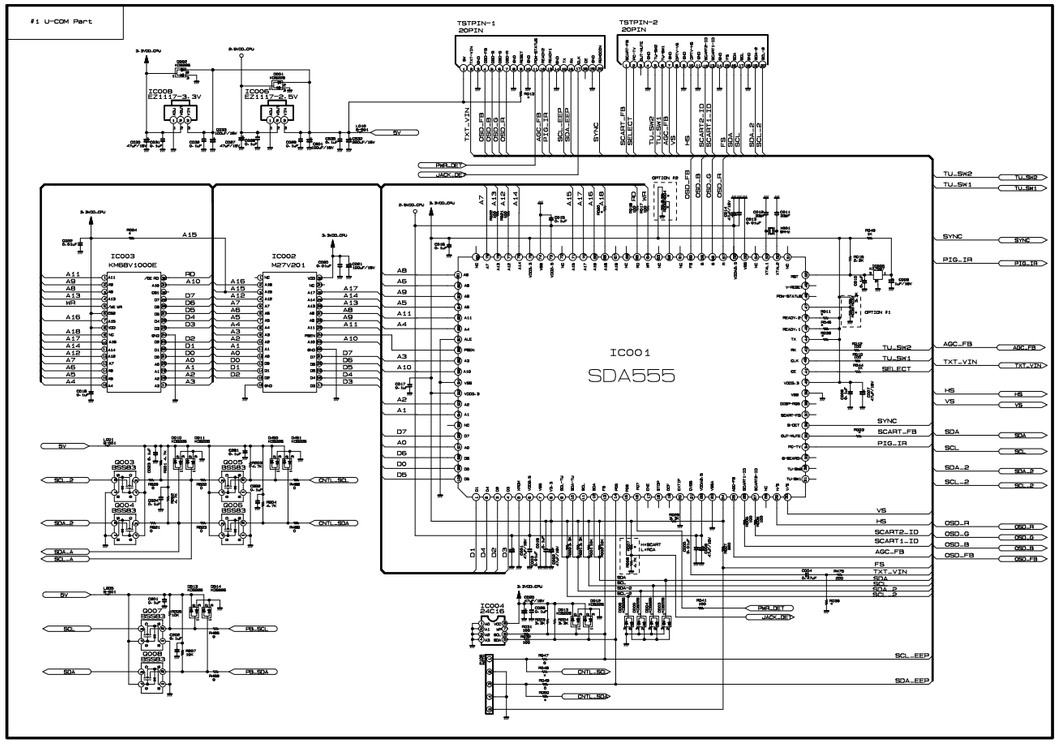
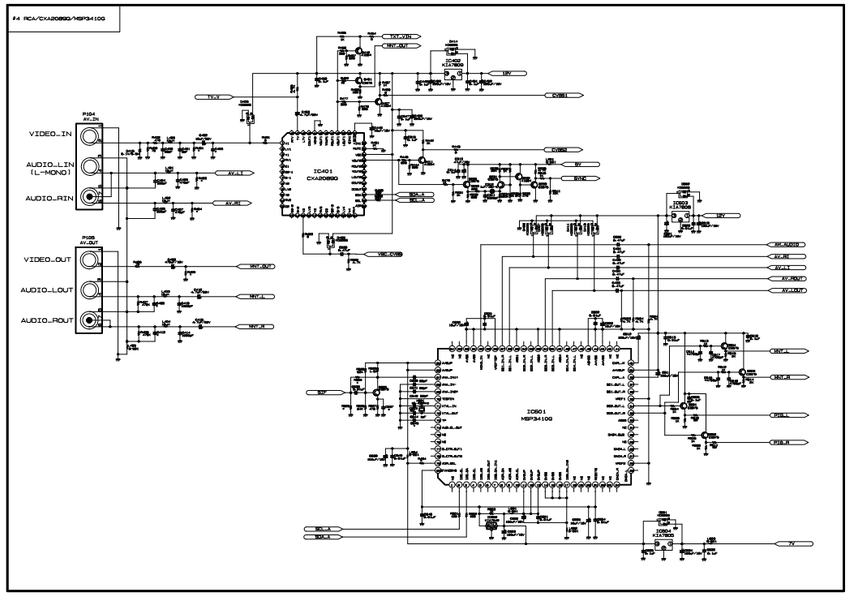
■ TUNER (RT-BA50)











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SVC. SHEET : 3854VA0133A-S1
3854VA0133A-S2
3854VA0133A-S3
3854VA0133A-S4

P/NO : 3828VD0161A

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